



MINISTRY OF HEALTH MALAYSIA
ORAL HEALTH PROGRAMME



2024 ANNUAL REPORT

**A Lifetime of
Healthy Smiles**

<https://hq.moh.gov.my/ohp/ms/>

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FOREWORD

Deputy Director-General of Health (Oral Health)
Ministry of Health Malaysia

The year 2024 marked a transformative phase for the Oral Health Programme (OHP) under the Ministry of Health Malaysia (MOH), reinforcing our commitment to oral health as a vital part of overall well-being. Through strategic initiatives, robust policy frameworks, and dynamic collaborations at all levels, OHP has emerged as a driver of change in service delivery, regulation, innovation, and research, supporting a shift from sick care to health and wellness care - reflecting a holistic, patient-centred approach that supports individuals across all stages of life.

This report outlines the key achievements of the Ministry of Health's Oral Health Programme (OHP), particularly in strengthening policy and planning, enhancing service delivery, and advancing clinical practice. It highlights the unwavering commitment of the country's oral health workforce and reflects our shared vision - *"No Health without Oral Health"*.

Among our significant milestones was Malaysia's active participation in the historic Global Oral Health Meeting in Bangkok, culminating in the adoption of the Bangkok Declaration 2024, which aligns oral health firmly within the global Universal Health Coverage and Non-Communicable Disease frameworks. This marked a pivotal step in the nation's commitment to oral healthcare. At the national level, the full enforcement of the Dental Act 2018 [Act 804] further strengthened regulatory governance, ensuring that only qualified professionals serve the public with safety, competence, and integrity.

2024 also witnessed the scaling up of technological innovations such as the Dental Information System (DIS), 3D denture printing (3DDT), and enhanced cluster dental services. These advances have improved both patient care and system efficiency across MOH facilities.

Workforce development was another cornerstone, with the creation of new permanent posts, expanded training opportunities, and collaborations with other agencies.

In our continued effort to enhance public engagement, the OHP extended outreach through awareness programmes such as *Pemasyarakatan Perkhidmatan Klinik Pergigian Sekolah*, Mouth Cancer Awareness Month, school-based fluoride initiatives, and participation in community events like the TV3 *Jom Heboh* Carnival.

While challenges persist in our pursuit of improved oral health for all Malaysians, we remain steadfast in our commitment to innovation, excellence, and inclusivity. Moving forward, continued support and collaboration from a diverse range of stakeholders will be vital in advancing more comprehensive and effective strategies toward a healthier population.

I extend my sincere appreciation to the dedicated committee members whose contributions were vital to this report and our ongoing efforts. I am also deeply grateful to our valued stakeholders across the public, private, and civil society sectors - including dental professionals, public health authorities, community leaders, NGOs, media, and corporate partners for their unwavering support. This strong coalition continues to drive impactful progress in oral health across Malaysia and contributes meaningfully to global health advancement.




Dr. Fauziah binti Ahmad

Vision

A nation working together for better health

Mission

The mission of the Ministry of Health is to lead and work in partnership to facilitate and support the people to:

- attain fully their potential in health
- appreciate health as a valuable asset
- take individual responsibility and positive action for their health

to ensure a high quality and healthcare system that is

- equitable
- affordable
- efficient
- technologically appropriate
- environmentally adaptable
- customer centre
- innovative

with emphasis on:

- professionalism, caring and teamwork value
- respect for human dignity
- community participation

Objective

To improve the oral health status of Malaysia through collaboration with stakeholders of public and private sectors in promoting oral healthcare, clinical prevention, treatment and rehabilitation with emphasis on identified priority groups, including marginalised and vulnerable populations in such a way that the oral health status of the people will continually be in conformity with the socio-economic progress of the country.

Organisation Structure

Oral Health Programme
Ministry of Health Malaysia



PRINCIPAL DIRECTOR OF ORAL HEALTH

Dr. Noormi Binti Othman, Dr. Mustaffa Jaapar, En. Zulhari Bin Abd. MuhidPn. Hafizah binti Sadaka Dullah

DIRECTOR OF ORAL HEALTH POLICY AND STRATEGIC PLANNING DIVISION

Dr. Fauziah binti Ahmad
Pn Faizah binti Omar



DIRECTOR OF ORAL HEALTH CARE DIVISION

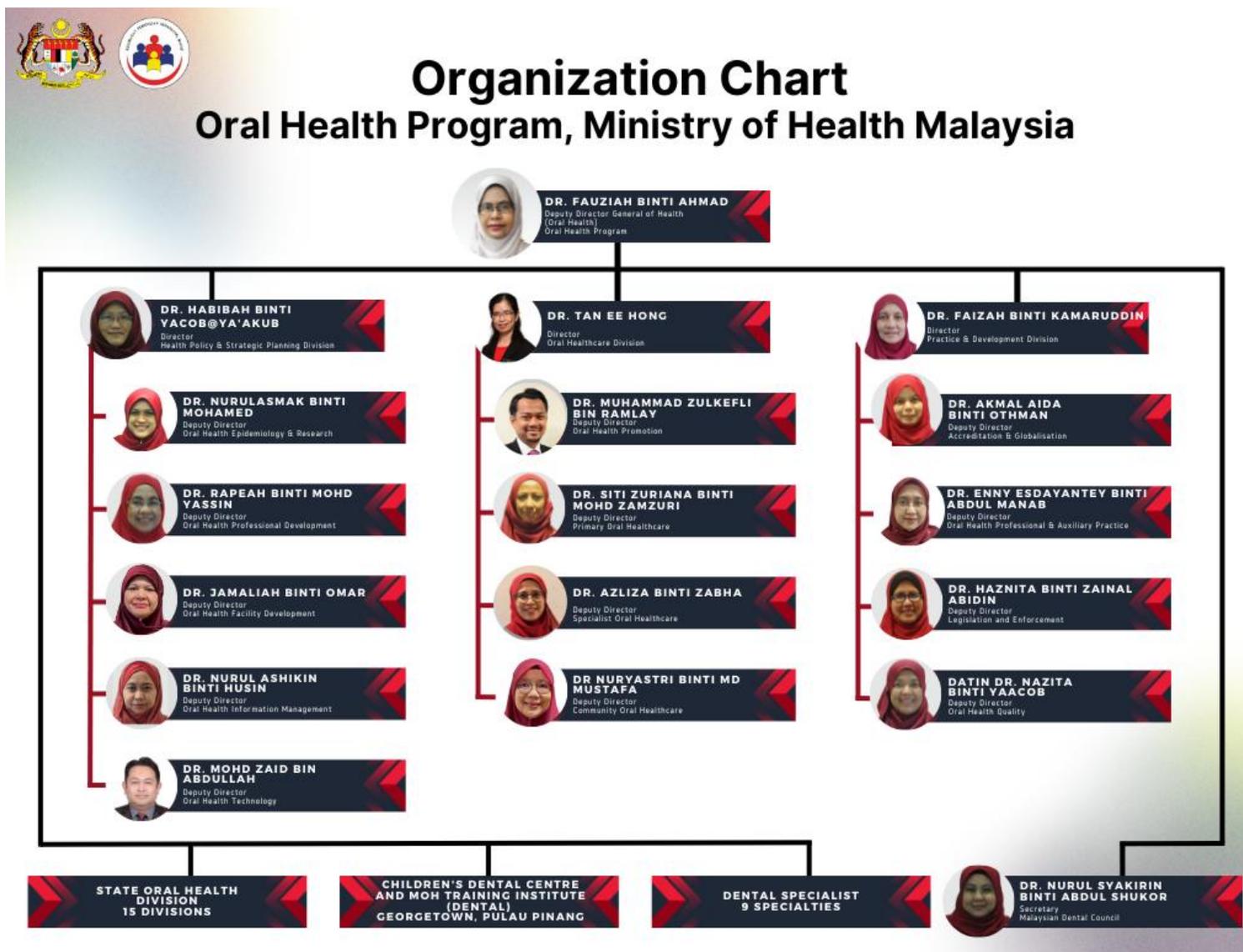
Dr. Natifah binti Che Salleh,
Pn. Nor Farahan binti Soyuti



DIRECTOR OF ORAL HEALTH PRACTICE & DEVELOPMENT DIVISION

Dr. Habibah binti Yacob @ Ya'akub ,
Pn. Noor Atika binti Yahya





Highlights of 2024

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ORAL HEALTH PROGRAMME (OHP)

The OHP MOH is committed to improving oral health for a better quality of life for Malaysians. Strategic initiatives and collaboration between public and private sector agencies promote oral health. Led by the Deputy Director-General of Health (Oral Health), OHP comprises three (3) divisions: the Oral Health Policy and Strategic Planning Division, the Oral Healthcare Division as well as the Oral Health Practice and Development Division. Supported by 13 branches, these divisions work together to achieve OHP's KPIs for the well-being of the people. OHP is also actively involved in domestic and international activities to advance the oral health agenda.

A HISTORIC MILESTONE FOR GLOBAL ORAL HEALTH: THE BANGKOK DECLARATION 2024

From 26 to 29 November 2024, the WHO, in collaboration with the Government of Thailand, hosted the first-ever Global Oral Health Meeting in Bangkok. This event brought together health leaders, policymakers, civil society organizations and private sector representatives from over one hundred countries to address critical oral health issues. The Bangkok Declaration 2024 is a call to action for the global health community. It is a collaborative effort toward a future where *No Health Without Oral Health* becomes a reality for all by 2030. Oral health is essential for overall well-being. Key highlights from The Bangkok Declaration 2024 are:

- i. Adoption of the Bangkok Declaration - a bold commitment to integrate oral health into Universal Health Coverage (UHC) and Non-Communicable Diseases (NCD) frameworks by 2030.
- ii. Advancing the Global Oral Health Action Plan (2023-2030) through shared global strategies.
- iii. High-level engagement with ministers, WHO Regional Directors and global organizations like International Dental Federation (FDI), International Association for Dental Research (IADR) and Global Self-Care Federation (GSCF) to tackle oral health challenges collaboratively.



Image 1 WHO Global Oral Health Meeting 2024

MALAYSIAN DENTAL COUNCIL (MDC)

Year 2024 marked the conclusion of the three (3) years transitional period following the gazettment of the Dental Act 2018 [Act 804], which came into force on 1 January 2022. This milestone represented a critical step towards the full enforcement of the act, providing clarity and structure to the regulatory framework governing dental practice in Malaysia.

REGULATION OF DENTAL PRACTICE

The Dental Act 2018 requires only qualified, competent and professional practitioners to be registered and eligible to provide dental services in Malaysia. This guarantees the quality of dental services and patient safety, as well as increasing people's confidence and trust in dental services. A summary of applications approved by the MDC for 2024 is shown in **Table 7.1**.

Table 1 Applications Approved by MDC 2024

Type of Application	Total
Registration as Dental Surgeon	788
Registration as Dental Specialist (12 specialties)	212
Annual Practicing Certificate	14,113
Temporary Practicing Certificate	187
Letter of Good Standings	161

KEY INITIATIVES AND ENGAGEMENTS

In 2024, the MDC undertook several key initiatives to enhance professional standards and engagement. One major focus was the preparation for the Professional Qualifying Examination (PQE). To support this, the MDC held a PQE Examiner Training Workshop on 8-9 March 2024 to prepare qualified assessors. A pilot Part II PQE was conducted on 22 March 2024 at IMU University, involving final-year dental students. Feedback from the pilot helped improve the examination framework. Comprehensive guidelines and handbooks for candidates and examiners were also developed to align the PQE with the Competencies of New Dental Graduates, Malaysia (V2 2021).



Image 2 Part II PQE Pilot



Image 3 PQE Examiner Training

The MDC also participated in the 31st Malaysian Dental Association Scientific Convention and Trade Exhibition 2024 (MDA SCATE 2024) as an opportunity to guide practitioners on the newly introduced Malaysian Healthcare Practitioners' System (MHPS) for Annual Practising Certificate online applications as well as the MyCPD system. On 9 August 2024, the MDC hosted its inaugural live webinar on Facebook on the critical topic of Professional Indemnity Cover for Practising Certificate Applications with significant traction from dental practitioners.

**Image 4 Exhibition Booth on
31st MDA SCATE 2024**



**Image 5 Professional Indemnity
Cover for Practising Certificate
Applications Webinar**

MALAYSIAN DENTAL THERAPIST BOARD (MDTB)

Until 2024, a total of 3,049 dental therapists were registered with the Board. All registered dental therapists must be in possession of the current Annual Practicing Certificate (APC) to legally practice. From that total, 2,974 dental therapists are still actively practicing dentistry, of which 2,969 were issued to practitioners in the public sector while five (5) in the private sector. This includes 208 post-basic dental therapists in various disciplines, namely Oral and Maxillofacial Surgery (7), Pediatric Dentistry (65), Orthodontics (63) and Periodontics (73).

Table 2 Annual Practicing Certificate of Dental Therapists 2024

Year	Public Sector			Private Sector	Grand Total
	MOH	Non-MOH	Total		
2024	2,889	80	2,969	5	2,974

3RD NATIONAL ORAL HEALTH RESEARCH INITIATIVE (NOHRI) CONFERENCE 2024

The NOHRI Conference is an annual event hosted on a rotation basis among dental institutions represented in the Executive Committee NOHRI. The 2024 NOHRI Conference, the third edition of the event was co-organized by the OHP and the Malaysian Association of Dental Public Health Specialists (MADPHS). Held from 5-7 September 2024 at Putrajaya, themed *Precision Dentistry: Unveiling the Future Through Data-Driven Insights*. The event featured a keynote address by the DG and was officially inaugurated virtually by the Minister of Health. The conference aimed to promote the exchange of ideas and advancements in oral health research, focusing on theories, approaches, perspectives and practices to further the national oral health research agenda.



Image 6 3rd National Oral Health Research Initiative (NOHRI) Conference 2024

33RD & 34TH ASEAN JOINT COORDINATING COMMITTEE ON DENTAL PRACTITIONERS (AJCCD)

The AJCCD plays a crucial role in strengthening regional cooperation through the development of a Mutual Recognition Arrangement (MRA) for dental practitioners. This formal agreement facilitates the mutual recognition of professional qualifications across member countries, promoting greater professional mobility within the ASEAN region. The 33rd AJCCD Meeting, held on 27 February 2024 in Bandung, Indonesia and the 34th AJCCD Meeting, convened on 22 October 2024 at the ASEAN Secretariat in Jakarta, highlight the ongoing commitment of ASEAN Member States to advancing their collaborative efforts. The OHP actively participates in these meetings to ensure that the outcomes align with Malaysia's policies and priorities, maximizing the benefits for the country's dental sector.

ACCREDITATION OF DENTAL PROGRAMME

OHP is dedicated to upholding the highest standards of professionalism in dental practice with the establishment of Code of Practice for Programme Accreditation (COPPA) documents as a reference for the standards of dental programmes. These documents aim to inform the policies and principles that guide judgments and decisions on accreditation.

On 23 May 2024, the MDC endorsed the COPPA-Postgraduate Dental Programme (PG Dental) document, which will serve as the primary reference for the Panel of Assessors and Higher Education Providers (HEPs) during the accreditation process of Dental Specialty Programmes. Following the endorsement of COPPA-PG Dental, OHP in collaboration with the Malaysian Qualifications Agency (MQA), conducted a workshop for the Panel of Assessors, comprising dental specialists from the MOH, the Ministry of Higher Education (MOHE) and the Ministry of Defense (MINDEF). Held from 7-9 October 2024, the workshop introduced and explained the new COPPA-PG Dental, focusing on meeting the standards and compliance criteria set by the MQA for recognized postgraduate dental programmes.



Image 7 33rd & 34th AJCCD Meetings

Image 8 COPPA-PG DENTAL Workshop



ADDITIONAL PERMANENT POSTS FOR DENTAL OFFICER AND DENTAL SPECIALIST

The Ministry of Finance, through Staffing Warrant S131 for the Year 2024, has approved the creation of 1,500 additional positions for Medical Officers, Dental Officers, and Pharmacy Officers to support the operational needs of existing healthcare facilities under MOH. From this total, 200 positions have been approved for the Dental Officer Scheme. Additionally, 145 more positions have been approved for newly established and upgraded dental facilities commencing operations in 2024. The addition of these new Dental Officer positions will, indirectly, enable the permanent appointment of a greater number of contract-appointed Dental Officers.

Furthermore, through Staffing Warrant S178 for the Year 2024, the Ministry of Finance has also approved the creation of 70 additional Dental Specialist positions to meet the needs and operations of existing dental facilities under the MOH. The allocation of these positions takes into consideration facilities requiring additional specialists due to service expansion, as well as specialists currently serving in general dental officer roles. Additionally, 36 more Dental Specialist positions have been approved for newly established and upgraded dental facilities that has commenced operations in 2024.

Table 3 Additional Permanent Posts for Dental Officer and Dental Specialist 2024

Post / Facility	Hospital	Dental Specialist Centre	Dental Clinic	Oral Health District Office	Other facilities	Total
Dental Specialist	58	7	37	3	1 [#]	106
Dental Officer	28	-	316	-	1 [*]	345

[#] Institute for Medical Research

^{*} Pusat Pergigian Kanak-Kanak dan Institut Latihan Kementerian Kesihatan Malaysia

ADDITIONAL POSTS FOR THE DENTAL AUXILIARIES

The Ministry of Finance, through eight (8) establishment warrants for the year 2024, has agreed to approve the creation of new positions and the addition of various service schemes and grades to accommodate the needs and operations of new and upgraded facilities in the MOH, which are expected to be completed in 2023 and 2024. The distribution of these new positions is based on current requirements and the operational status of the involved facilities. A total of 540 new and additional dental auxiliary positions were secured in 2024 for new and upgraded facilities. The distribution of these positions based on the approved schemes is as follows:

Table 4 Positions According to the Accepted Scheme 2024

Schemes Facilities	Hospital	Dental Specialist Centre	Dental Clinic	Total
Dental Therapist	18	5	45	68
Dental Technologist	14	2	32	48
Dental Surgery Assistant	93	25	155	273
Healthcare Assistant	23	5	47	75
Admin Assistant	10	4	13	37
General Assistant	0	1	9	10
X-Ray Technician	0	1	0	1
Driver	1	1	26	28

PATIENT SAFETY SYMPOSIUM 2024

OHP organized the Patient Safety Symposium 2024 on April 30, 2024, with the theme *Think Safety, Act Safely*. It was held at the RTM Perak Auditorium and broadcast via Facebook Live for online viewing. The symposium aimed to discuss issues related to incident reporting cases at MOH dental facilities. The *Guidelines for Medical Emergency Management in Primary Dental Clinics and Non-Hospital Based Dental Specialties*, published by the Perak Oral Health Division was launched during this event. A total of 170 participants involved in the symposium, consisting of members of the *Jawatankuasa Dasar dan Perancangan Kesihatan Pergigian* and oral health personnel from Perak and Pulau Pinang.



Image 9 Patient Safety Symposium 2024

ORAL HEALTH PAIN FREE SYMPOSIUM 2024

OHP hosted the Oral Health Pain-Free Symposium 2024 on 4 July 2024, at the National Cancer Institute Auditorium in Putrajaya with the theme *Revolutionizing the Pain Free Dentistry*. The symposium was officiated by the Director of the Dental Health Practice and Development Division representing the TKPK (KP) and was attended by 200 oral health professionals nationwide. The symposium aimed to increase knowledge about pain assessment and management as part of the delivery of oral health services and treatments provided by oral health professionals.



Image 10 Oral Health Pain Free Symposium 2024

ORAL HEALTH PROGRAMME QUALITY CONVENTION 2024

The Oral Health Programme Quality Convention 2024 was held on 24-25 June 2024, at Hotel H Elite in Kota Bharu, Kelantan. This convention aimed to equip participants with valuable exposure and experience as early preparation for advancing their projects to the national-level competition. A total of 37 projects were showcased during the event, comprising 15 in the Innovation category, eleven (11) in the Quality Assurance (QA) category and eleven (11) in the *Kumpulan Inovasi dan Kreatif* (KIK). One of the key highlights of the convention was a talk titled *Inovasi vs. Kerja Hakiki: Antara Realiti dan Fantasi*, presented by a pharmacist from KK Pengkalan Chepa, Kelantan.



Image 11 Oral Health Programme Quality Convention 2024

DEVELOPMENT PROJECTS UNDER MALAYSIA PLAN

In 2024, there were eight (8) health clinic development projects with oral health components that were completed and finished construction:



**Image 12 KK (Type 2)
Bandaraya Miri Sarawak**



**Image 13 Klinik Pergigian
Tanjung Karang Selangor**



**Image 14 Hospital Dungun
Terengganu**



**Image 15 KK (Type 3)
Kepala Batas Kedah**



**Image 16 KK (Type 3) Kota
Putera Terengganu**



**Image 17 Kompleks
Wanita dan Kanak-kanak di
Hospital Kajang Selangor**



**Image 18 Hospital Tawau
Sabah**



**Image 19 KK (Type 4)
Rompin Negeri Sembilan**

DENTAL CLUSTER SERVICES

Two (2) series of workshops on the *Model of Good Practice and Credentialing & Privileging* for MOH Specialist Dental Cluster Services were conducted on 5-7 February 2024 and 4-5 March 2024. These workshops benefited various technical input and experience from the Medical Development Division. The *Garis Panduan Perkhidmatan Kluster Pergigian KKM* and *Garis Panduan Credentialing and Privileging Perkhidmatan Kluster Pergigian KKM* were successfully developed and presented at *Bengkel Tatacara Pelaksanaan Konsep Kluster Antara Hospital, Perkhidmatan Kesihatan Primer dan Pergigian KKM* on 7-8 August 2024 at Putrajaya International Convention Centre (PICC). By 2024, 33 dental cluster services were expanded across ten (10) states including Kedah, Pulau Pinang, Perak, Selangor, Melaka, Johor, Pahang, Terengganu, Sabah dan Sarawak. Dental cluster services involved 14 Oral

Maxillofacial Surgery (OMFS), 12 Pediatric Dentistry, six (6) Periodontics and one (1) Restorative Dentistry.



Image 20 *Tatacara Pelaksanaan Konsep Kluster antara Hospital, Perkhidmatan Kesihatan Primer dan Pergigian Workshop*

LEASING OF CONE BEAM COMPUTED TOMOGRAPHY (CBCT) WITH ORTHOPANTOMOGRAM (OPG) CAPABILITY

OHP had benefited 19 units CBCT with OPG Capability machine for 19 hospitals across 12 states for a period of five (5) years started on 1 December 2024. CBCT with OPG Capability machine is evolving 3D diagnostic tool that plays an integral role throughout the patient care pathway, allowing more accurate and informed diagnosis and treatment planning for patients.



Image 21 *CBCT with OPG Capability Machine*

DENTAL INFORMATION SYSTEM (DIS)

In strengthening the healthcare ecosystem through the strategy of 1 individual: 1 health record, OHP has decided to use Dental Information System (DIS) as the main system for management of oral health in all MOH dental facilities. This system consists of four (4) main subsystems:

- i. **Patient Management (DIS: Clinical)**
A comprehensive (end-to-end) patient management system at dental clinics, which includes patient registration, clinical documentation and reporting management, in which it was developed on the existing Gi-RET 2.0 system.
- ii. **Facility and Human Resource Management (DIS: Resource)**
It manages facilities (including dental equipment such as dental chairs and others) and human resources at dental clinics other than dental practitioners.
- iii. **Dental Practitioner Management (DIS: Practitioner)**
A system for managing dental practitioners, including Dental Specialists, Dental Officers and Dental Therapists, all of whom are regulated by the MDC.
- iv. **National Dental Health Survey Management (DIS: Survey)**
A system for managing dental health surveys at national level, on top of current manual reporting method.

DIS: CLINICAL PILOT PROJECT IN MELAKA

The pilot project for DIS: Clinical was conducted in 12 primary dental clinics in Melaka from July to November 2024. The scope of this project includes modules for registration, dental charting, clinical documentation, billing and access to clinical documents across facilities. A total of 42,782 patients were recorded through DIS: Clinical during the project was conducted. In summary, 87.30% of respondents consists of dental personnel agreed with the implementation of the DIS: Clinical system and 98.70% of respondents understood their roles and responsibilities in ensuring the success of the DIS: Clinical system at their respective clinics.

EXPANSION OF DIS: CLINICAL IN 2024

On 1 December 2024, DIS: Clinical system was expanded to 18 primary dental clinics in Johor and nine (9) primary dental clinics in Melaka. The expansion of DIS: Clinical to 37 primary dental clinics is expected to be implemented in 2025.

COLLABORATION WITH THE ROYAL MALAYSIAN POLICE (PDRM)

From 10-13 June 2024, the OHP had organized *the Intipan, Risikan dan Serbuan bagi Pegawai Diberi Kuasa* Course under the Dental Act 2018 [Act 804] in collaboration with the Criminal Investigation Department of the PDRM at Jerai Hotel, Kedah. In addition to lectures, course participants also carried out activities on surveillance and raids at four (4) locations based on

complaints suspected to violate Act 804. Participants were exposed to technical aspects, ethical codes and the importance of comprehensive cooperation among various enforcement agencies.



Image 22 Hands-on Training - The *Intipan, Risikan dan Serbuan* bagi Pegawai Diberi Kuasa Course

ENGAGEMENT SESSION WITH E-COMMERCE PLATFORMS

OHP held an engagement session with Shopee and Lazada Malaysia on 3 July 2024. During this meeting both e-commerce platforms agreed to collaborate in removing advertisements for the online sale of dental products that breach Section 63(3)(c) of the Act 804. This engagement aims to clarify the Screening Procedure for Online Dental Equipment Sales, which is set to take effect on 1 January 2025. The initiative seeks to combat illegal dental practices and ensure that the dental equipment sold online is safe for use by dental professionals and supplied by registered suppliers.



Image 23 Engagement Session with Shopee and Lazada Malaysia

FABRICATION OF DENTURE USING 3D DIGITAL TECHNOLOGY IN PRIMARY DENTAL CLINICS

In 2024, OHP acquired ten (10) sets of 3D printing equipment to be used in selected dental clinics. This technology revolutionizes denture fabrication by scanning patients' mouths and creating precise dentures. This streamlined process promises faster treatment times, improves denture quality and enhances accessibility, in which demonstrating MOH's commitment for innovation in oral healthcare delivery.

Table 5 Dental Clinic with 3D Printing Equipment

State	District	Dental Clinic
Selangor	Klang	Klinik Pergigian di Klinik Kesihatan Bandar Botanik
Sarawak	Kuching	Klinik Pergigian di Klinik Kesihatan Jalan Masjid
Perak	Ipoh	Klinik Pergigian Ipoh
Kelantan	Kota Bharu	Klinik Pergigian Kota Bharu
Johor	Johor Bahru	Klinik Pergigian di Klinik Kesihatan Ulu Tiram
Sabah	Sandakan	Klinik Pergigian di Klinik Kesihatan Sandakan
Kedah	Kota Setar	Klinik Pergigian Sungai Petani
Terengganu	Kuala Terengganu	Klinik Pergigian di Klinik Kesihatan Chendering
FT Kuala Lumpur	Zon Titiwangsa	Klinik Pergigian di Klinik Kesihatan Kuala Lumpur
Pulau Pinang	Seberang Perai	Klinik Pergigian di Klinik Kesihatan Bukit Minyak



Image 24 Denture Fabrication Using 3D Printing Technology

ENHANCING REFERRAL OF TYPE 2 DIABETES MELLITUS (T2DM) PATIENTS FOR EARLY PERIODONTAL DISEASE DETECTION AND PREVENTION

The Clinical Practice Guidelines (CPG): Management of Type 2 Diabetes Mellitus (6th Edition) have reported the established relationship between diabetes and periodontal disease, recommending referrals from healthcare facilities to dental practitioners for comprehensive

patient care. Initiated as a proof of concept (PoC) in eight (8) combined KK and dental clinics in 2023, this programme was expanded to 69 dental clinics nationwide in 2024 through collaboration with the respective state Public Health Division. This expanded initiative facilitates the early detection and management of periodontal disease, thereby potentially improving the quality of life for individuals with diabetes.

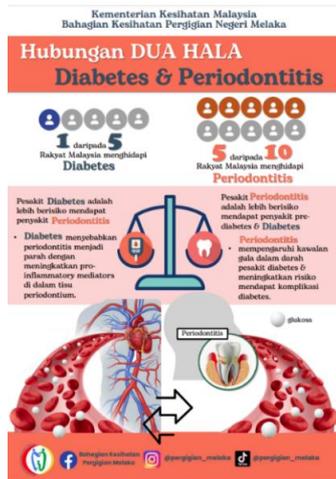


Image 25 A Poster and Implementation of Periodontal Screening for Diabetic Patients at KK

SCHOOL-BASED FLUORIDE MOUTH RINSING (FMR) PROGRAMME

The FMR programme implemented in schools has proven to be effective, practical and cost-efficient in preventing and reducing dental caries among primary schoolchildren. The programme launched in 2023 with the participation of 70 schools and expanded to 122 schools in 2024. It focuses on Standard 1 students in selected schools and will continue for five (5) years until these students complete their primary education.



Image 26 Caries Prevention Programme for Primary Schoolchildren

IMPLEMENTATION OF TRAINING FOR MEDICAL ORDERLY (DENTAL) OF THE MALAYSIAN PRISONS DEPARTMENT

OHP has initiated a collaboration with the *Jabatan Penjara Malaysia* to introduce specialised training for members of the department to serve as Medical Orderly (Dental), aimed at improving oral healthcare services in prisons nationwide. This initiative helps address the shortage of Dental Surgery Assistants, thereby streamlining the treatment process. The training implementation includes a theoretical training for Medical Orderly (Dental) course from 10-14 June 2024, involving 60 prison staffs from across the country, conducted at the Malaysian Prisons Headquarters in Kajang. A total of five (5) intensive training modules, covering 15 sub-modules, were delivered. Speakers included dental personnel from JKN Selangor, FT of Kuala Lumpur & Putrajaya and Negeri Sembilan.

JOM HEBOH TV3 CARNIVAL: COLLABORATION WITH MEDIA PRIMA BERHAD

OHP participated in the TV3 *Jom Heboh* Carnival (KJH) organised by Media Prima Berhad in six (6) states in 2024 which are FT Kuala Lumpur & Putrajaya, Melaka, Sarawak, Pulau Pinang, Terengganu and Johor. Activities conducted included dental screening and basic treatment services using the Mobile Dental Clinic, health talks, exhibitions, flash mobs, rhythmic *Latihan Memberus Gigi*, stage performances and interactive games. The programme attracted 30,584 visitors of various age groups, with 4,465 visitors receiving dental health screenings.



Image 27 OHP Activities at *Jom Heboh* TV3 Carnival

KONVENSYEN IKON GIGI (iGG) PERINGKAT KEBANGSAAN 2024

The National iGG Convention 2024 was held on 27-28 September 2024 in Ayer Keroh, Melaka, with the participation of 121 delegates, comprising 64 iGG members and 57 facilitators. The event was officiated by the Health and Human Resources Exco of Melaka. Key activities during the convention included the iGG Adventure Challenge, iGG OHSEM (*Tokoh iGG*) and the Teaching Materials Innovation Competition.



Image 28 National iGG Convention 2024

MOUTH CANCER AWARENESS MONTH (MCAM) 2024

The Closing Ceremony of MCAM was held in Kota Samarahan, Sarawak on 25 February 2024 and was officiated by the TKPK (KP), representing the DG. The event also featured the launch of the pilot project Mobile Mouth Screening Everywhere (MeMoSA), a mobile application for oral cancer screening which currently being implemented in Sarawak by Cancer Research Malaysia (CRM). Exhibitions were also held by other agencies alongside dental health screenings by the Sarawak Oral Health Division.



Image 29 Mouth Cancer Awareness Month (MCAM) 2024

TRAINING OF TRAINERS (ToT) FOR CLINICAL PRACTICE GUIDELINES (CPG)

The Oral Health Technology Section conducted its first-ever ToT sessions in 2024 for two (2) CPGs, the Management of Anterior Crossbite in Mixed Dentition (3rd Edition) and the Management of Hypodontia (2nd Edition). These ToTs were conducted on 28 February 2024 and 2 April 2024 at the IPKKM involved specialists from all states. Participants attended lectures, case discussions and workshops focused on updates, diagnostics, treatment planning and patient management.



Image 30 Training of Trainers (ToT) for CPG

LAUNCHING CEREMONY FOR CLINICAL PRACTICE GUIDELINES (CPG)

The CPG for the Management of Anterior Crossbite in Mixed Dentition (3rd Edition) and Management of Hypodontia (2nd Edition) were launched on 22 October 2024 in Kuala Lumpur, officiated by the Director of the Policy and Strategic Planning Division of Oral Health, representing the TKPK (KP). These evidence-based guidelines reflect the to delivering high-quality care, enhancing treatment outcomes, standardizing dental practices and managing complex cases more effectively.



Image 31 Launching Ceremony for CPG

RESOURCE MANAGEMENT

- **Financial Resource Management**
- **Human Resource Management**

Administrative Units



*From left to right :
Marni Ezura binti Mohd Zani, Nur Amirah binti Zulkin,
Norashikin binti Nan, Salasiya binti Atli,
Noramirah binti Abd Razak, Muhammad Ariff bin Mat Jusoh,
Nurfatihah Najwa binti Mustaffa, Fauziah binti Jalalussayuti,
Fatimah binti Ma'amor, Jamilah binti Sha'ari, Khuzaimah binti
Abd Rahman, Rasenah binti Jamari @ Haji Asmuni,
Mohamad Amin Shafiq bin Abdul Bahari*

Financial Units



*From left to right :
Ms. Suzalina binti Mohd Rosly, Mr. Mohd Razwin bin
Safrudin, Ms. Nurul Shahirah binti Shahrudin,
Ms. Ina Karina binti Zakaria*

FINANCIAL RESOURCE MANAGEMENT

BUDGET MANAGEMENT

In 2024, MOH received MYR 35,150,181,800 (11.57%) from the total of National Allocation. While OHP MOH received a total operational allocation of MYR 1,090,882,700 which represents a 2.47% increase compared to the allocation received in 2023 (Table 1.1).

Table 1.1 Operational Allocation, 2010-2024

Year	Emolument (MYR)	Services (MYR)	Asset (MYR)	Total (MYR)
2010	365,771,400.00	72,337,947.00	1,649,159.00	439,758,506.00
2011	425,297,450.00	92,502,300.00	3,350,000.00	521,149,750.00
2012	433,309,400.00	92,914,975.00	5,952,027.00	532,176,402.00
2013	517,050,700.00	94,499,420.00	5,678,281.00	617,228,401.00
2014	591,410,587.00	99,517,656.00	40,868,344.00	731,796,587.00
2015	664,549,726.00	105,619,709.00	36,521,728.00	806,691,163.00
2016	764,288,702.00	101,138,772.00	-	865,427,474.00
2017	815,182,671.00	98,947,857.00	-	914,130,528.00
2018	808,421,900.00	101,636,285.00	-	910,058,185.00
2019	843,683,100.00	104,483,376.00	-	948,166,476.00
2020	883,980,900.00	105,993,700.00	-	989,974,600.00
2021	906,813,800.00	71,735,000.00	-	978,188,800.00
2022	910,325,200.00	74,373,900.00	-	984,699,100.00
2023	985,136,900.00	79,498,400.00	-	1,064,635,300.00
2024	1,002,486,400.00	88,396,300.00	-	1,090,882,700.00

Source: Finance Division, MOH

In 2024 OHP MOH had overspent 114.67% of the overall allocated operational budget, due to additional emoluments for expenditures under the Existing Policy (*Dasar Sedia Ada*) (Table 1.2).

Table 1.2 Overall Operational Budget Allocation & Expenditure, 2024

Activity	Programme Code	Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure
Management of Oral Health	040100	125,520,600.00	125,777,465.00	100.20%
Primary Oral Healthcare	040200	729,564,000.00	836,542,744.00	114.66%
Community Oral Healthcare	040300	63,300,000.00	79,432,461.00	125.49%
Specialist Oral Healthcare	040400	172,498,100.00	209,159,150.00	121.25%
Total	040000	1,090,882,700.00	1,250,911,820.00	114.67%

*Note: 91.90% (MYR 1,002,486,400.00) of the total allocation is for emolument expenditures, while only 8.10% (MYR 88,396,300.00) is for services expenditures.

FINANCIAL MANAGEMENT

In 2024, OHP received adjusted expenditure allocation amounted MYR 177,533,698.29 as below:

- Operational Expenditure Allocation (OS20000) – MYR 88,396,300.00
- Development Expenditure Allocation – MYR 89,137,398.29

From the allocation, MYR 80,940,367.00 (91.57%) was spent on operational expenditure (**Table 1.3**) and MYR 89,137,398.29 (100.00 %) was spent on development expenditure (**Table 1.4**).

Table 1.3 Operational (Services) Budget Allocation and Expenditure, 2024

Activity	Activity Code	Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
Management of Oral Health	040100	38,971,000.00	32,090,238.00	82.34%
Primary Oral Healthcare	040200	28,600,100.00	32,317,057.00	113.00%
Community Oral Healthcare	040300	11,598,300.00	9,536,301.00	82.22%
Specialist Oral Healthcare	040400	9,226,900.00	6,996,771.00	75.83%
Total		88,396,300.00	80,940,367.00	91.57%

Table 1.4 Adjusted Development Budget Allocation and Expenditure, 2024

Activity	Activity Code	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
In-service Training	00105	2,445,865.69	2,445,865.69	100.00%
Upgraded Facilities	00600	10,393,649.80	10,393,649.80	100.00%
Upgraded Tools	00600	6,235,264.90	6,235,264.90	100.00%
Medical Equipment Enhancement Tenure (MEET)	01100	36,357,387.71	36,357,387.71	100.00%
Upgraded Medical Equipment & Non-Medical Equipment	01100	21,705,378.10	21,705,378.10	100.00%
Mobile Dental Clinic Equipment	01100	11,999,852.09	11,999,852.09	100.00%
Total		89,137,398.29	89,137,398.29	100.00%

At the same time, OHP MOH received a special allocation for the procurement of dental materials, disposable items and medication to support service delivery under activity code 080704 (Medical Supplies) and activity code 990104 (Approved Product Purchase List- APPL). Total budget allocation and expenditure for both activity codes in 2024 is shown in **Table 1.5**.

Table 1.5 Total Budget Allocation and Expenditure Medical Supplies and Approved Product Purchase List (APPL) , 2024

Activity	Activity Code	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
Medical Supplies	080704	69,194,987.00	69,194,987.00	100.00%
Approved Product Purchase List (APPL)	990104	7,560,619.00	7,560,619.00	100.00%

MONITORING STATE FINANCES

OHP MOH also monitored states' budget allocations and their expenditures. In 2024, under *Dasar Sedia Ada*, Selangor received the highest allocation, followed by Sarawak and Sabah. Total budget allocation and expenditure for 2024 are shown below in **Table 1.6**.

Table 1.6 Total Budget Allocation and Expenditure under Existing Policies, 2024

State/Institutions	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
Perlis	23,675,676.87	23,675,676.87	100.00%
Kedah	82,457,333.53	82,457,333.53	100.00%
Pulau Pinang	68,721,832.78	68,721,832.78	100.00%
Perak	106,182,714.93	106,182,714.93	100.00%
Selangor	130,259,582.35	130,259,582.35	100.00%
Negeri Sembilan	70,569,632.09	70,569,632.09	100.00%
Melaka	55,129,983.86	55,129,983.86	100.00%
Johor	107,651,590.15	107,651,590.15	100.00%
Pahang	93,157,780.25	93,157,780.25	100.00%
Terengganu	84,836,372.91	84,836,372.91	100.00%
Kelantan	95,264,840.46	95,264,840.46	100.00%
Sabah	110,717,873.40	110,717,873.40	100.00%
Sarawak	123,311,249.96	123,311,249.96	100.00%
Federal Territory (FT) Kuala Lumpur (KL) & Putrajaya	67,572,052.92	67,572,052.92	100.00%
FT Labuan	6,058,079.93	6,058,079.93	100.00%

State/Institutions	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
OHP MOH	15,987,734.51	15,987,734.51	100.00%
Children's Dental Center & Ministry of Health Training Institute (Dental)	149,892.87	149,892.87	100.00%
Kuala Lumpur Hospital (HKL)	9,175,207.00	9,175,207.00	100.00%
Institute for Medical Research (IMR)	21,968.00	21,968.00	100.00%
National Cancer Institute (IKN)	10,420.77	10,420.77	100.00%
Total	1,250,911,819.54	1,250,911,819.54	100.00%

Oral Health Professional and Auxilliary Practice Section



*From left to right :
Mr. Rosli bin Abd. Hamid, Ms. Normala binti Omar,
Dr. Mazura binti Mahat, Dr. Siti Zuriana binti Mohd Zamzuri*

HUMAN RESOURCE MANAGEMENT

The effectiveness of a health system is contributed by the delivery of services that are efficient, accessible, sustainable, and of high quality, supported by a workforce that is sufficiently staffed, appropriately trained, and equitably distributed.

As of December 2024, the total number of posts across all staff categories under Programme 4: Oral Health stands at 19,267, reflecting a 4.9 percent increase compared to the year 2023.

DENTAL OFFICER

The Government approved an additional of 200 permanent posts under the Dental Officer scheme in 2024, with the decision formalized on 14 October 2024. Furthermore, the allocation of 145 additional permanent positions for Dental Officers at newly established facilities offers more opportunities for contract staff to obtain permanent appointments in the future.

As of December 2024, the percentage of filled posts remained lower in East Malaysia compared to Peninsular Malaysia, with Sarawak recorded the lowest filled rate (**Tables 2.1 and 2.2**).

Table 2.1 Status of Dental Officer Posts, 2017 to 2024

Year	P	F	
	No	No.	%
2017	3,839	3,418	89.0
2018	3,839	3,095	80.6
2019	3,847	3,051	79.3
2020	3,866	3,499	90.5
2021	3,863	3,511	90.9
2022	4,305	3,842	89.2
2023	4,556	4,169	91.5
2024	4,871	4,208	86.4

P = Posts F = Filled

Table 2.2 Status of Dental Officer Posts at State/ Hospital/Institution, 2024

State/ Hospital/Institution	P	F	
	No	No.	%
4.0 Activity - Oral Health Programme			
Perlis	104	84	80.8
Kedah	324	291	89.8
Pulau Pinang	256	227	88.7
Perak	396	320	80.8
Selangor	497	445	89.5
FT KL & Putrajaya	252	228	90.5
Negeri Sembilan	275	255	92.7
Melaka	218	193	88.5

State/ Hospital/Institution	P	F	
	No	No.	%
Johor	487	442	90.8
Pahang	424	380	89.6
Terengganu	364	324	89.0
Kelantan	352	328	93.2
Total Peninsular Malaysia	3,949	3,517	89.1
Sabah	371	310	83.6
Sarawak	427	272	63.7
FT Labuan	29	28	96.6
Total East Malaysia	827	610	73.8
Kuala Lumpur Hospital	42	32	76.2
National Cancer Institute	4	4	100.0
Tunku Azizah Hospital	11	11	100.0
Oral Health Programme	38	34	89.5
Total Hospital & Institution	95	81	85.3
Malaysia	4,871	4,208	86.4
Other Programme Activity (1.0 Pengurusan and 6.0 National Institute of Health (NIH))			
<i>Bhg. Perancangan</i>	-	3*	0.0
Medical Practice Division	-	-	0.0
Children's Dental Center & Ministry of Health Training Institute (Dental)	39	37	94.9
NIH/Institute for Medical Research (IMR)	4	4	100.0
NIH/ Institute for Health Systems Research (IHSR)	-	2*	0.0

P = Posts F=Filled * Appointed on Open Post

In 2022, the Ministry of Health revised the appointment cycle for new contract dental officers from three to four times annually (refer to Table 2.3). The distribution of contract dental officers as presented in Table 2.4.

Table 2.3 New Dental Officers Appointed on Contract Basis in MOH

Cohort	Year							
	2017	2018	2019	2020	2021	2022	2023	2024
First cohort	526	708	566	503	516	384	257	126
Second cohort	441	286	390	260	539	347	339	414
Third cohort	362	130	217	101	48	118	178	138
Fourth cohort	-	-	-	-	-	146	112	66
Total	1,329	1,124	1,173	864	1,103	995	886	744

Table 2.4 Distribution of Contract Dental Officers, 2017 to 2024

State	Year								Total
	2017	2018	2019	2020	2021	2022	2023	2024	
Perlis	33	36	26	9	26	25	15	15	185
Kedah	99	71	81	55	79	73	62	54	574
Pulau Pinang	93	82	46	51	68	48	51	46	485
Perak	112	69	112	74	76	98	60	74	675
Selangor	168	132	129	138	101	92	110	95	965
FT KL & Putrajaya	82	65	72	44	42	106	65	49	525
Negeri Sembilan	63	77	80	63	103	65	66	46	563
Melaka	83	62	60	44	69	66	59	40	483
Johor	185	127	124	90	131	106	93	90	946
Pahang	74	92	97	69	74	83	87	56	632
Terengganu	92	107	88	75	93	41	56	44	596
Kelantan	83	87	107	49	98	53	52	45	574
Total Peninsular Malaysia	1,167	1,007	1,022	761	960	856	776	654	7,203
Sabah	60	56	93	50	68	76	53	48	504
Sarawak	92	54	44	52	68	54	49	36	449
FT Labuan	10	7	14	1	7	9	8	6	62
Total East Malaysia	162	117	151	103	143	139	110	90	1,015
Malaysia	1,329	1,124	1,173	864	1,103	995	886	744	8,218

In 2024, the introduction of 345 new permanent positions enabled the offering of 317 permanent placements to contract Dental Officers from the 2017 to 2022 cohorts who remained in service. Out of 1,286 applicants for permanent positions, 1,240 (96.4%) met the eligibility requirements, while 46 (3.6%) were found ineligible. Due to the limited number of available posts, permanent appointments were offered to the top 350 ranked candidates, with the remaining eligible officers placed on a reserve list. Among those offered the placements, 317 officers (90.6%) had accepted, while those who declined were granted a two-year extension of their contracts.

Additionally, a total of 2,144 officers with the highest performance score from first cohort 2017 to third cohort 2020 had accepted the permanent appointments following the completion of their two-year contract period (refer to **Table 2.5**).

Table 2.5 Contract Dental Officers Appointed on Permanent Basis in MOH

Cohort	Date of appointment as contract	Number appointed on contract	Number Eligible for appointment	Permanent Appointment	
				No.	%
First cohort 2017	9 January 2017	526	377	195	37.1
Second cohort 2017	22 May 2017	441	300	170	38.6
Third cohort 2017	13 November 2017	362	261	168	46.4
First cohort 2018	26 February 2018	708	537	285	40.3
Second cohort 2018	16 July 2018	286	222	134	46.9
Third cohort 2018	15 October 2018	130	116	74	56.9
First cohort 2019	11 March 2019	566	401	166	29.3
Second cohort 2019	1 July 2019	390	299	160	41.0
Third cohort 2019	14 October 2019	217	155	105	48.4
First cohort 2020	2 March 2020	503	342	209	41.6
Second cohort 2020	17 August 2020	260	159	114	43.9
Third cohort 2020	7 October 2020	102	74	50	49.0
First cohort 2021	7 April 2021	509	294	68	13.4
Second cohort 2021	12 July 2021	539	376	101	18.7
Third cohort 2021	6 September 2021	48	25	3	6.3
First cohort 2022	14 March 2022	384	279	80	20.8
Second cohort 2022	29 June 2022	346	240	62	17.9
Total		6,317	4,457	2,144	33.9

ATTRITION OF DENTAL OFFICERS

In 2024, a total of 1,061 dental officers were appointed to the Ministry of Health (MOH) on both permanent and contract terms, while 755 officers exited the service for various reasons. This resulted in 306 officers available in the service (refer to **Table 2.6**).

Table 2.6 Nett Gain/Loss of Dental Officers in MOH, 2017 to 2024

Reasons	Year							
	2017	2018	2019	2020	2021	2022	2023	2024
New Intake	1,329	1,124	1,334	1,414	1,274	1,401	1,344	1,061
Attrition								
● Retired (Compulsory)	16	13	18	24	5	3	25	26
● Retired (Optional)	14	12	5	5	2	1	16	17
● Resigned	237	414	487	347	475	705	518	347
● Released with Permission	0	0	0	0	0	0	0	0
● Other Reasons	0	4	2	2	69	21	21	365*
Total*	267	443	512	378	551	730	580	755
Net Gain/Loss	1,062	681	822	1,036	723	671	764	306

*365 contract officers were terminated for various reasons.

*Total includes all attrition categories: Retired (Compulsory), Retired (Optional), Resigned, Released with Permission and Other Reasons.

DENTAL SPECIALIST

The number of dental specialists has increased from 487 (2023) to 506 (2024). The distribution of specialists is shown in (Table 2.7).

Table 2.7 Number of Dental Specialists in MOH, 2017 to 2024

Year	Hospital-Based					Non-Hospital-Based				Total
	Oral & Maxillo-facial Surgery	Paediatric Dentistry	Oral Pathology & Oral Medicine	Special Care Dentistry	Forensic Odontology	Orthodontic	Periodontics	Restorative Dentistry	Dental Public Health	
2017	75	38	15	4	1	64	36	28	90	351
2018	77	45	14	5	1	69	42	31	85	369
2019	81	46	15	6	2	70	44	37	80	381
2020	84	49	15	7	3	80	50	40	71	399
2021	90	54	17	7	3	81	58	46	71	427
2022	99	59	19	7	4	88	67	47	72	462
2023	109	60	19	8	6	89	78	50	68	487
2024	118	70	22	8	6	89	80	51	62	506

(Exclude dental specialists undergoing gazettement and one contract dental specialist)

The number of dental specialist posts is inadequate to accommodate the increasing number of dental specialists in the service (Table 2.8). The distribution of specialists' post is shown in Table 2.9.

Table 2.8 Status of Dental Specialist Posts, 2016 to 2024

Year	Clinical Dental Specialist			Dental Public Health Specialist		
	P	F		P	F	
		No.	%		No.	%
2017	244	261	106.9	94	90	95.7
2018	244	284	116.4	94	85	90.4
2019	244	301	123.4	94	80	85.1
2020	361	328	90.9	97	71	73.2
2021	329	404	122.8	96	77	80.2
2022	339	432	127.4	96	76	79.2
2023	342	455	133.0	96	70	72.9
2024	511	444	86.9	99	62	62.6

P = Posts F = Filled

Table 2.9 Dental Specialist Posts at State/ Hospital/ Institution, 2024

State/ Hospital/ Institution	Clinical Dental Specialist			DPH Specialist		
	P	F		P	F	
		No.	%		No.	%
4.0 Activity - Oral Health Programme						
Perlis	8	8	100.0	2	1	50.0
Kedah	31	31	100.0	4	3	75.0
Pulau Pinang	30	28	93.3	4	3	75.0
Perak	44	34	77.3	7	3	42.9
Selangor	73	64	87.7	8	5	62.5
FT KL & Putrajaya	30	29	96.7	5	2	40.0
Negeri Sembilan	27	26	96.3	4	3	75.0
Melaka	18	16	88.9	4	3	75.0
Johor	53	42	79.2	7	3	42.9
Pahang	29	29	100.0	5	3	60.0
Terengganu	25	21	84.0	4	1	25.0
Kelantan	33	29	87.9	6	2	33.3
Total Peninsular Malaysia	401	357	89.5	60	32	58.3
Sabah	47	35	74.5	6	2	33.3
Sarawak	42	34	81.0	4	3	75.0
FT Labuan	1	1	100.0	1	1	100.0
Total East Malaysia	90	70	77.8	11	6	54.5
Kuala Lumpur Hospital	13	11	84.6	-	-	-
National Cancer Institute	2	2	100.0	-	-	-
Tunku Azizah Hospital	5	4	80.0	-	-	-
Oral Health Programme	-	-	-	28	22	78.6
Total Hospital & Institution	20	17	85.0	28	22	78.6
Malaysia	511	444	86.9	99	60	60.6

State/ Hospital/ Institution	Clinical Dental Specialist			DPH Specialist		
	P	F		P	F	
		No.	%		No.	%
Other Programme Activity (1.0 Pengurusan and 6.0 National Institute of Health (NIH))						
Children's Dental Center & Ministry of Health Training Institute (Dental)	2	1	50.0	2	2	100.0
NIH/Institute for Medical Research (IMR)	4	4	100.0	-	-	-

P = Posts F = Filled

ATTRITION OF DENTAL SPECIALIST

In 2024, a total of 38 dental officers were gazetted as specialists, while 17 officers exited the service for various reasons, resulting in a net gain of 21 specialists. **Table 2.10** presents the net gains and losses of dental specialists from 2017 to 2024.

Table 2.10 Gazettement and Attrition of Dental Specialist, 2017 to 2024

Gazetted / Attrition	2017	2018	2019	2020	2021	2022	2023	2024
Gazetted as Specialist	51	43	30	32	37	49	41	38
Attrition								
● Retired (Compulsory)	12	10	15	19	6	8	10	7
● Retired (Optional)	6	4	1	2	1	7	6	4
● Resigned/ Released with Permission	1	10	11	1	3	6	8	6
● Other Reasons	0	2	1	2	1	0	0	0
Total	19	26	28	24	11	21	25	17
Net Gain/Loss	32	17	2	8	26	28	16	21

DENTAL AUXILIARIES AND SUPPORT STAFF

As of 2024, over 90 percent of permanent positions for dental auxiliaries and support staff have been filled (**Table 2.11**). The distribution of positions and dental auxiliaries is detailed in **Table 2.12**.

Table 2.11 Status of Dental Auxiliaries Posts, 2024

Category	P	F	
		No.	%
Dental Therapist	3,119	2,852	91.4
Dental Technologist	1,133	1,031	91.0
Dental Surgery Assistant	4,820	4,478	92.9
Total	9,072	8,361	92.2
Support Staff	4,809	4,391	91.3
Total	13,881	12,752	91.9

P = Posts F=Filled

Table 2.12 Status of Dental Auxiliaries Posts at State / Hospital /Institution, 2024

State/ Hospital/ Institution	Dental Therapist			Dental Technologist			Dental Surgery Assistant		
	P	F		P	F		P	F	
		No.	%		No.	%		No.	%
4.0 Activity - Oral Health Programme									
Perlis	64	59	92.2	26	23	92.3	114	102	89.5
Kedah	190	173	91.1	75	70	93.3	272	256	94.1
Pulau Pinang	201	175	87.1	52	47	90.4	307	286	93.2
Perak	258	233	90.3	87	83	94.2	407	374	91.9
Selangor	276	249	90.2	117	110	94.0	509	473	92.9
FT KL & Putrajaya	145	130	89.7	51	48	94.1	265	261	98.5
Negeri Sembilan	141	131	92.9	60	57	95.0	239	237	99.2
Melaka	118	109	92.4	41	36	87.8	215	209	97.2
Johor	216	192	88.9	95	84	88.4	452	417	92.3
Pahang	215	200	93.0	69	64	92.7	370	350	94.6
Terengganu	170	157	92.4	87	75	86.2	348	314	91.2
Kelantan	207	204	98.6	93	91	96.8	294	293	99.7
Total Peninsular Malaysia	2,201	2,012	91.4	853	788	92.4	3,792	3,572	94.1
Sabah	393	369	93.9	109	102	93.6	411	360	87.6
Sarawak	457	412	90.2	147	121	82.3	514	448	87.2
FT Labuan	15	12	75.0	3	3	100.0	16	16	100
Total East Malaysia	865	793	91.7	259	226	87.3	941	824	87.6
Kuala Lumpur Hospital	5	5	100	7	6	85.7	40	38	95.0
National Cancer Institute	-	-	-	-	-	-	2	2	100
Tunku Azizah Hospital	6	4	66.7	3	3	100.0	19	18	94.7
Oral Health Programme	16	14	87.5	3	2	66.7	-	-	-
Total Hospital & Institution	27	23	85.2	13	11	84.6	61	58	95.1
Malaysia	3,093	2,828	91.4	1,125	1,025	91.1	4,794	4,454	92.9

Table 2.12 Status of Dental Auxiliaries Posts at State/ Hospital /Institution, 2024 (Continued)

State/ Hospital/ Institution	Dental Therapist			Dental Technologist			Dental Surgery Assistant		
	P	F		P	F		F	F	
		No.	%		No.	%		No.	%
Other Programme Activity (1.0 Pengurusan and 6.0 National Institute of Health (NIH))									
<i>Bhg. Perancangan</i>	1	1	100	-	-	-	-	-	-
Children's Dental Centre & Ministry of Health Training Institute (Dental)	25	23	92.0	8	6	75.0	23	21	91.3
NIH/Institute for Medical Research (IMR)	-	-	-	-	-	-	3	3	100
Jabatan Penjara Kuala Terengganu - Kader	-	-	-	1	1	-	-	-	-

P = Posts F = Filled

Beginning March 2019, all dental auxiliary trainees graduated from Children's Dental Centre & Ministry of Health Malaysia (Dental) Training Institute have been recruited on a contract basis for a duration of two years, with an optional extension of another two years. In 2024, a total of 249 Dental Surgery Assistants (DSAs) and 35 Dental Technologists were appointed under contract term. The distribution of these contract positions is presented in **Tables 2.13, 2.14, and 2.15.**

Table 2.13 Contract Dental Auxiliaries in MOH, 2019 to 2024

Cohort	Dental Technologist						Dental Surgery Assistant					
	2019	2020	2021	2022	2023	2024	2019	2020	2021	2022	2023	2024
First cohort	29	42	-	42	26	35	124	138	103	98	75	77
Second cohort	-	15	-	41	-	-	123	133	92	92	-	92
Third cohort	-	-	-	-	-	-	-	-	-	78	-	80
Total	29	57	-	83	26	35	247	271	195	268	75	249

Table 2.14 Distribution of Contract Dental Surgery Assistants, 2019 to 2024

State/ Hospital/ Institution	Year						Total
	2019	2020	2021	2022	2023	2024	
Perlis	4	1	1	8	1	3	18
Kedah	11	9	18	16	8	43	105
Pulau Pinang	4	5	7	6	1	3	26
Perak	11	7	2	10	6	9	45
Selangor	42	41	44	39	13	22	201
FT KL & Putrajaya	9	18	10	8	6	20	71
Negeri Sembilan	27	30	20	24	14	35	150
Melaka	20	20	5	5	5	29	84
Johor	46	55	40	54	4	5	204
Pahang	6	14	21	16	8	30	95
Terengganu	10	34	2	15	3	14	78
Kelantan	30	32	19	53	5	5	144
Total Peninsular Malaysia	220	266	189	254	74	218	1,221
Sabah	6	0	0	3	0	13	22
Sarawak	13	0	1	2	0	1	17
FT Labuan	2	3	2	3	1	11	22
Total East Malaysia	21	3	3	8	1	25	61
Kuala Lumpur Hospital	5	0	1	2	0	4	12
National Cancer Institute	0	0	1	2	0	1	4
Tunku Azizah Hospital	0	0	0	0	0	0	0
Children's Dental Centre & Ministry of Health Training Institute (Dental)	1	2	1	2	0	1	7
Total Hospital & Institution	6	2	3	6	0	6	23
Malaysia	247	271	195	268	75	249	1,305

Table 2.15 Distribution of Contract Dental Technologists, 2019 to 2024

State/ Hospital/ Institution	Year						Total
	2019	2020	2021	2022	2023	2024	
Perlis	0	1	0	1	0	1	3
Kedah	2	4	0	7	3	2	18
Pulau Pinang	2	3	0	4	2	1	12
Perak	4	7	0	7	2	3	23
Selangor	6	11	0	9	3	4	33
FT KL & Putrajaya	2	5	0	6	2	4	19
Negeri Sembilan	2	6	0	4	2	2	16
Melaka	1	5	0	4	1	2	13
Johor	3	5	0	6	2	3	19
Pahang	2	4	0	9	2	2	19

State/ Hospital/ Institution	Year						Total
	2019	2020	2021	2022	2023	2024	
Terengganu	3	2	0	5	2	1	13
Kelantan	0	1	0	6	2	2	11
Total Peninsular Malaysia	27	54	0	68	23	27	199
Sabah	1	1	0	8	2	4	16
Sarawak	1	2	0	6	1	3	13
FT Labuan	0	0	0	0	0	1	1
Total East Malaysia	2	3	0	14	3	8	30
Kuala Lumpur Hospital	0	0	0	1	0	0	1
National Cancer Institute	0	0	0	0	0	0	0
Tunku Azizah Hospital	0	0	0	0	0	0	0
Children's Dental Centre & Ministry of Health Training Institute (Dental)	0	0	0	0	0	0	0
Total Hospital & Institution	0	0	0	1	0	0	1
Malaysia	29	57	0	83	26	35	230

Dental Technologists and Dental Surgery Assistants were appointed on permanent basis after their two (2) year contract ended (Table 2.16).

Table 2.16 Contract Dental Auxiliaries appointed on Permanent Basis in MOH, 2024

Cohort	Dental Technologist			Dental Surgery Assistant		
	Number appointed on contract	Permanent appointment		Number appointed on contract	Permanent appointment	
		No.	%		No.	%
Cohort 1/2019	29	29	100.0	124	124	100.0
Cohort 2/2019	-	-	-	123	121	98.4
Cohort 1/2020	42	42	100.0	138	136	98.6
Cohort 2/2020	15	15	100.0	133	126	94.7
Cohort 1/2021	-	-	-	103	98	95.1
Cohort 2/2021	-	-	-	92	81	88.0
Cohort 1/2022	42	38	90.5	98	94	95.9
Cohort 2/2022	41	0	0.0	92	0	0.0
Cohort 3/2022	-	-	-	78	0	0.0
Cohort 1/2023	26	0	0.0	75	0	0.0
Cohort 1/2024	35	0	0.0	77	0	0.0
Cohort 2/2024	-	-	-	92	0	0.0
Cohort 3/2024	-	-	-	80	0	0.0
Total	230	126	54.8	1,305	780	59.8

ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTH POLICY AND STRATEGIC PLANNING DIVISION

- **Oral Health Epidemiology and Research**
- **Oral Health Professional Development**
- **Oral Health Facility Development**
- **Oral Health Technology**
- **Oral Health Information Management**

Oral Health Epidemiology and Research Section

Interpret

Inspire

Investigate



*From left to right :
Dr. Nur Syuhada binti Abu Bakar, Mr. Syaril
Syahrizal bin Mohamad, Dr. Nurulasmak
binti Mohamed, Ms. Norpahzila Wati binti
Minhad, Dr. Aira Syazleen binti Ahmad, Dr.
Siti Kamilah binti Mohamad Kasim*

ORAL HEALTH EPIDEMIOLOGY AND RESEARCH

This section continued to play a vital role in steering the oral health research agenda and conducting key research activities to generate evidence that informs national oral health policies and strategic decision-making. Throughout 2024, research conducted by Ministry of Health (MOH) personnel was widely disseminated through various platforms, reinforcing the programme's commitment to evidence-based practice. The MOH also strengthened inter-agency collaboration by engaging with partners at national and state levels, both within and outside the health sector. Notable achievements included the successful implementation of National Oral Health Surveys such as of the National Oral Health Survey of Adults (NOHSA) 2020 and ongoing preparations for the National Oral Health Survey of Preschool Children 2025 (NOHPS) 2025. These national surveys serve as critical tools for monitoring population oral health trends and guiding programme planning. In addition, research capacity was further enhanced through the organisation of the 3rd National Oral Health Research Initiative (NOHRI) Conference 2024, in collaboration with the Malaysian Association of Dental Public Health Specialists (MADPHS).

3RD NATIONAL ORAL HEALTH RESEARCH INITIATIVE (NOHRI) CONFERENCE 2024

The NOHRI Conference is an annual event hosted on a rotating basis by dental institutions represented in the Executive Committee of the NOHRI. The 2024 NOHRI Conference, the third edition of the event was co-hosted by the Oral Health Programme, Ministry of Health (OHP MOH) and the MADPHS. Held from 5-7 September 2024 at Complex F, Putrajaya, the conference was themed "Precision Dentistry: Unveiling the Future Through Data-Driven Insights" (**Image 3.1**). The event featured a keynote address by the Director-General of Health, YBhg. Datuk Dr. Muhammad Radzi bin Abu Hassan and was officially inaugurated virtually by the Minister of Health, YBhg. Datuk Seri Dr. Haji Dzulkefly bin Ahmad.

The conference served as a platform for the exchange of ideas and advancements in oral health research, focusing on theories, approaches, perspectives and practices to further the national oral health research agenda. In addition, it is considered a critical initiative in the advancement of the global oral health agenda, as it promotes collaboration among a variety of stakeholders including public and private sector representatives, non-governmental organisations and other industry players with the objective of achieving the best possible oral health outcomes for the population.



Image 3.1 The 3rd National Oral Health Research Initiative (NOHRI) Conference 2024

NATIONAL HEALTH AND MORBIDITY SURVEY 2020: NATIONAL ORAL HEALTH SURVEY OF ADULTS 2020 (NMRR-18-3189-44705)

Following the successful dissemination of the National Oral Health Survey of Adults 2020 (NHMS 2020: NOHSA 2020) findings, the core team members have been actively preparing manuscripts to further share the survey's insights. Conducted in 2022 after a two-year delay due to the COVID-19 pandemic, NHMS 2020: NOHSA 2020 aimed to assess the oral health status and treatment needs of Malaysian adults aged 15 and above, as well as to explore socio-cultural factors that influence their oral health.

To facilitate the dissemination of findings from the NHMS 2020: NOHSA 2020, OHP MOH organised a series of workshops focused on manuscript development. These sessions engaged the National Core Team Analysis, a group of dedicated Dental Public Health Specialists who were tasked with preparing scholarly articles to communicate the survey's insights.

An initial online discussion was held on 19 September 2024, to identify pertinent manuscript topics (**Image 3.2**). Subsequently, two in-person workshops took place: the first at Mercure Kuala Lumpur from 23 - 27 September 2024 (**Image 3.3**), and the second at Dorsett Putrajaya on 22 and 23 October 2024 (**Image 3.4**). During these workshops, the core team member collaborated in smaller groups to cross-tabulate data from clinical records and questionnaires, aiming to uncover significant findings for publication. Experts from the National Institute of Health, MOH provided consultations throughout these sessions, ensuring the rigor and quality of the manuscripts produced.

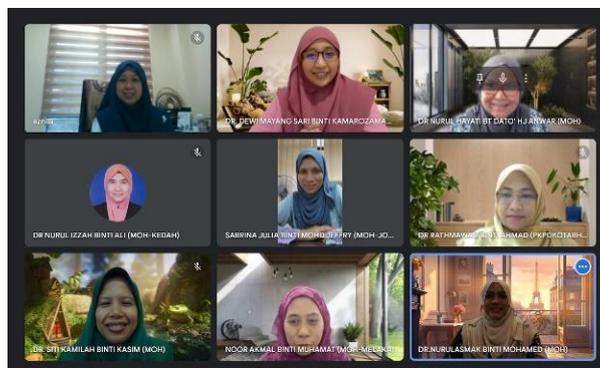


Image 3.2 Discussion on Topic Selection for NHMS 2020: NOHSA 2020 Manuscript



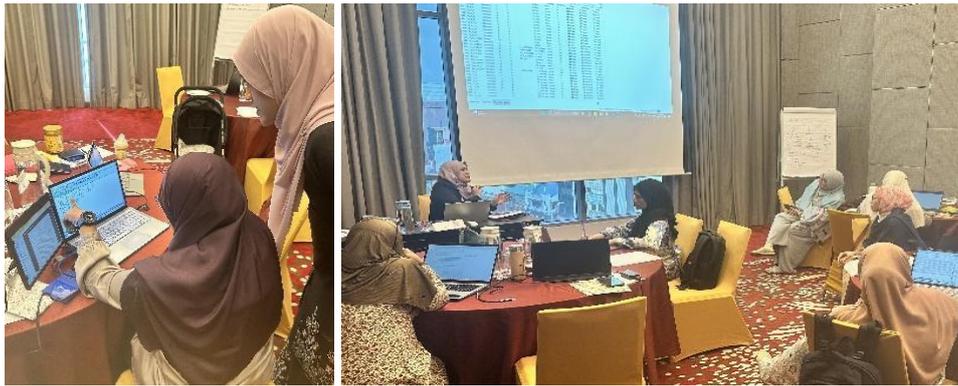


Image 3.3 Manuscript Writing Workshop for the NHMS 2020: NOHSA 2020 Survey



Image 3.4 Manuscript Writing Refinement Workshop for the NHMS 2020: NOHSA 2020 Survey

NATIONAL ORAL HEALTH SURVEY OF PRESCHOOL CHILDREN 2025 [NMRR ID-24-02036-XHN (IIR)]

The National Oral Health Survey of Preschool Children 2025 (NOHPS 2025) represents the fourth decennial survey focusing on the oral health status of 5-year-old preschool children in Malaysia. Preparations for this comprehensive assessment commenced in 2023 and have involved a series of activities to ensure its successful implementation, started with stakeholder engagement and identification of research needs. This initial meeting was convened to identify existing research gaps, determine the specific needs for NOHPS 2025, and to align the survey's objectives with current public health priorities as well as to enhance its relevance and impact.

Among other activities that have been conducted throughout 2024 were:

1. The Technical Advisory Committee Meeting for the NOHPS 2025

Conducted on 24 January 2024 to discuss on study objectives, methodology, and sampling frames.

2. Development of Protocol for Clinical Criteria

Following the stakeholder meeting, efforts were directed toward developing a robust survey protocol, particularly for clinical criteria to be used. A dedicated Clinical Protocol Committee engaged in a series of discussions throughout 2023 to establish precise clinical criteria for the survey. This collaborative process culminated in a meeting with the committee chairperson on 30 October 2024 (**Image 3.5**), leading to the finalisation of the clinical protocol on 4 November 2024 (**Image 3.6**).

3. Questionnaire Development and Validation Process

Recognising the importance of comprehensive data collection, the development of tailored questionnaires for parents/caregivers and preschool teachers was prioritised. In July 2024, the Questionnaire Instrument Development Committee conducted an initial discussion to draft these instruments (**Image 3.7**). Subsequent steps included:

- i. **Face Validation Briefing:** On 5 August 2024, an online briefing was held for State Coordinators from Melaka, Terengganu, Pulau Pinang and Sabah to outline the Face Validation (FV) process for the questionnaires (**Image 3.8**).
- ii. **FV Findings Discussion:** A session was held on 13 September 2024, to review the feedback from the FV stage, ensuring the questionnaires' clarity and effectiveness (**Image 3.9**).
- iii. **Finalisation Workshop:** Committee members and representatives from Negeri Sembilan, Perak, and Sabah convened at Dorsett Hotel, Putrajaya, on 21 October 2024 to finalise the questionnaires, incorporating insights from the validation process (**Image 3.10**).
- iv. **Pilot Study Preparation:** An online meeting was held on 15 November 2024 to strategise the pilot testing of the questionnaires among selected participants (**Image 3.11**).

4. Presentation of Research Project Evaluation & Research Allocation for The Year 2025

The Principal Investigator presented and defended the research proposal during the JPP-NIH Panel Meeting held on 17 July 2024 at the National Institutes of Health (NIH). The proposal was submitted for consideration of a research allocation amounting to RM1,200,000.00.

5. Ethical approval from Medical Research & Ethics Committee, MOH

Ethical was obtained from the Medical Research and Ethics Committee (MREC), Ministry of Health Malaysia on 25 September 2024. The approval is valid until 24 September 2025.

6. Institutional Approvals

In preparation for the implementation of the NOHPS 2025, necessary approvals were successfully obtained from:

- i. Policy Planning and Research Division, Ministry of Education Malaysia (MOE)
- ii. Private Education Division, Ministry of Education Malaysia (MOE)

- iii. Jabatan Kemajuan Masyarakat (KEMAS), Kementerian Kemajuan Desa & Wilayah
- iv. Jabatan Perpaduan Negara dan Integrasi Nasional (JPNIN)

7. Preparation for Calibration and Standardisation Workshop between Gold Standard and Benchmark Examiners

To ensure consistency and reliability in data collection for the upcoming calibration session between Gold Standard and Benchmark examiners, a preparatory discussion was held on 13 December 2024 (**Image 3.12**), with representatives from Selangor. The meeting focused on planning the workshop's structure, addressing logistical arrangement and outlining the necessary requirements to ensure a smooth and effective calibration session, scheduled for late February 2025 in Selangor.

8. Preparation for Data Entry Platform

In December 2024, a preliminary discussion was held with the DIS:Survey team to outline the requirements for integrating NOHPS 2025 into the DIS:Survey platform. This collaboration seeks to leverage digital tools for efficient data collection and management during the survey.



Image 3.5 Discussion on the Clinical Criteria of National Oral Health Survey of Preschool Children 2025



Image 3.6 Finalising Clinical Criteria of National Oral Health Survey of Preschool Children 2025



Image 3.7 Discussion of Post Content Validation of National Oral Health Survey of Preschool Children 2025

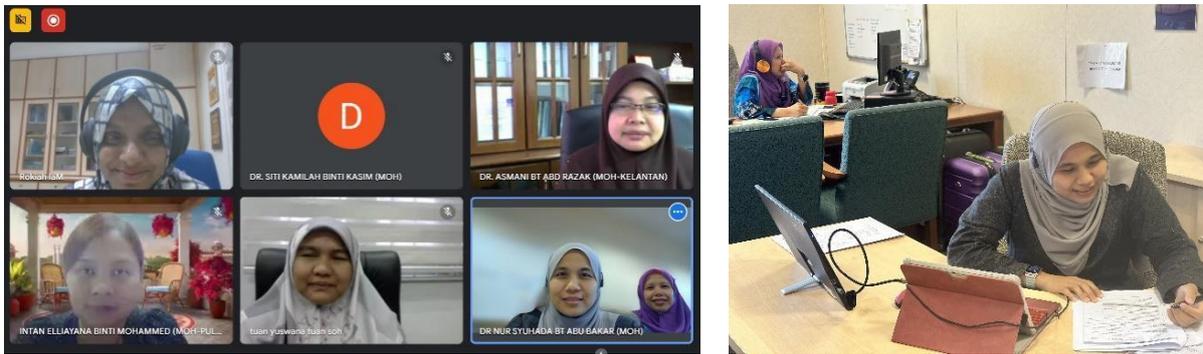


Image 3.8 Briefing for the State Coordinator for the Face Validation on the National Oral Health Survey of Preschool Children 2025



Image 3.9 Face Validation Analysis Discussion Session for the National Oral Health Survey of Preschool Children 2025



Image 3.10 National Oral Health Survey of Preschool Children 2025 Questionnaire Refinement Workshop

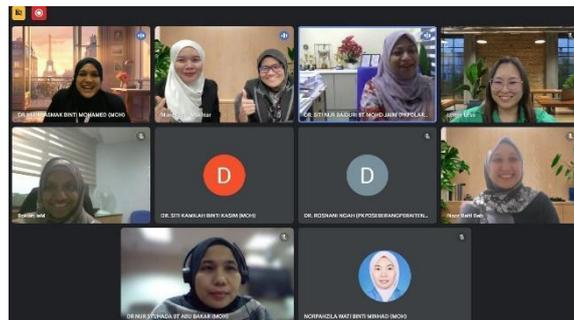


Image 3.11 Pilot Study Briefing on Questionnaires of National Oral Health Survey of Preschool Children 2025



Image 3.12 Discussion on Calibration Implementation between Gold Standard and Benchmark NOHPS 2025 Inspectors with Representatives from the State of Selangor

DEVELOPMENT OF ORAL HEALTH LITERACY QUESTIONNAIRE (OHLS-M-Q18)

Oral health literacy is defined as an individual's ability to acquire, understand, evaluate and utilise dental health information to make informed decisions regarding oral hygiene. To assess this among Malaysians aged 18 and above, the Oral Health Literacy Survey for Malaysian Adults (OHLS-M-Q18) was developed. The development team comprised dental public health specialists from the MOH, academicians from both public and private universities and a representative from the Institute of Health Behaviour Research, MOH (**Image 3.13**). This instrument aims to facilitate the design of effective oral health education programmes tailored to specific target groups, evaluate the effectiveness of existing initiatives and identify areas for improvement.

In 2024, a series of activities were undertaken to validate the OHLS-M-Q18 for use among the Malaysian population:

1. Briefing Session to Data Collectors and State Supervisors

After ethical approval obtained from the Medical Research and Ethics Committee (MREC) MOH, an online briefing session was conducted on 27 March 2024 to outline the data collection procedures for the validation survey (**Image 3.14**).

2. Data Collection for Validation Study

A total of 31 randomly selected health clinics throughout Malaysia were involved in this validation study from April 2024 to mid-May 2024, with assistance from dental staff in all states in Malaysia (**Image 3.15**).

3. Data management

- On 24 May 2024: A data cleaning session was held to ensure the accuracy and integrity of the collected data.
- From end May to early June 2024: Few workshops were organised for data analysis and preparation of the initial stage of report writing (**Image 3.16 and 3.17**).

4. Presentation of validation study

- On 12 July 2024: Findings from the validation survey were presented to the team members.
- On 11 December 2024: The findings were presented to stakeholders within the OHP MOH (**Image 3.18**).

These efforts culminated in a validation study with a total of 384 respondents participating in the survey, providing valuable data to ensure the reliability and applicability of the OHLS-M-Q18 for the Malaysian population.



Image 3.13
Some members of the OHLS-M-Q18 Development Committee comprised of representatives from the MOH and academicians from both public and private universities

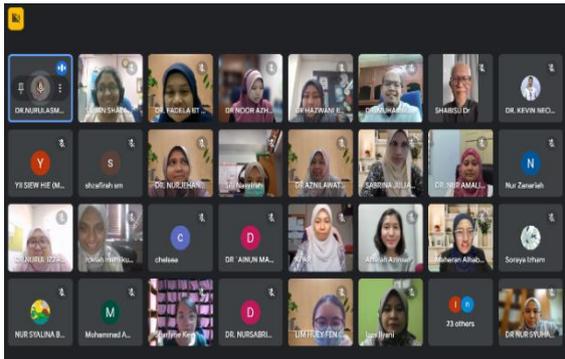


Image 3.14 An Online Briefing Session was Conducted for the State Coordinators and Data Collectors



Image 3.15
Data Collector and Respondent After Data Collection Process



Image 3.16 Data Analysis and Report Writing Session



Image 3.17
Discussion on the Preparation of the Presentation of Findings.



Image 3.18 Presentation of Findings Sessions

MONITORING AND EVALUATION OF ORAL HEALTH RESEARCH AT STATE LEVEL

The Health System Research (HSR) Unit continuously monitor the oral health research projects conducted at the states/institutions. Apart from the HSR projects, this unit also oversees other oral health research initiatives in the states/institution.

The HSR state/institutional coordinators biannual meetings were held on 20 March and 8 October 2024, where all oral health research achievements were presented. The HSR projects are expected to be concluded in three years after receiving ethical approvals. In 2024, a total of 194 HSR projects were conducted across all states and institutions, with 55 projects completed, 21 published, and 51 presented (**Table 3.1**).

Table 3.1 States/Institutions HSR Projects Achievements in 2024

State/ Institution	*No. of Active Projects	No. Completed Projects	No. of Projects Presented	No. of Projects Published
Perlis	9	1	0	1
Kedah	22	6	4	5
Pulau Pinang	8	2	0	2
Perak	9	2	2	2
Selangor	18	6	2	6
FTKL & P	16	5	2	3
Negeri Sembilan	10	5	0	5
Melaka	9	2	1	2
Johor	9	2	0	1
Pahang	23	6	2	6
Terengganu	10	3	0	3
Kelantan	15	7	5	7

State/ Institution	*No. of Active Projects	No. Completed Projects	No. of Projects Presented	No. of Projects Published
Sabah	10	4	1	4
Sarawak	17	4	2	4
FT Labuan	0	0	0	0
HKL	4	0	0	0
HTA	3	0	0	0
PPKK & ILKKM	1	0	0	0
OHP MOH	1	0	0	0
Total	194	55	21	51

*Notes: No. of Active Research Projects: refers to new/on-going/completed projects in current year

In addition, 325 scientific/technical presentations and 34 scientific/technical publications were made in 2024 as part of the oral health research initiatives (**Table 3.2**).

Table 3.2 States/Institutions Oral Health Research Initiatives in 2024

State/ Institution	No. of Scientific/Technical Publications		No. of Scientific/Technical Presentations	
	HSR Projects	Non-HSR Projects	HSR Projects	Non-HSR Projects
Perlis	0	1	0	1
Kedah	2	7	3	17
Pulau Pinang	0	3	3	6
Perak	2	2	2	25
Selangor	0	1	5	26
FTKL & P	1	1	5	8
Negeri Sembilan	0	1	5	14
Melaka	1	0	0	5
Johor	0	0	5	17
Pahang	2	0	29	61
Terengganu	0	3	4	3
Kelantan	0	0	0	11
Sabah	2	2	1	11
Sarawak	0	0	23	3
FT Labuan	0	0	0	0
HKL	0	1	0	16
HTA	1	0	1	3
PPKK & ILKKM	0	1	0	1
OHP MOH	0	0	0	11
Total	11	23	86	239
	34		325	

ORAL HEALTH RESEARCH CONDUCTED IN MOH DENTAL FACILITIES BY NON-MOH AGENCIES/ MOH POSTGRADUATES

A total of 43 research conducted by MOH postgraduates in 2024 (Table 3.3).

Table 3.3 Oral Health Research by MOH Postgraduates in 2024

No.	Title
University of Malaya (UM)	
1.	Validating the Rheumatoids Arthritis and Oral Health Knowledge, Attitude and Practices (ROKAP) Questionnaire among Specialists and Medical Officers in a Malaysian Public Teaching Hospital
2.	Caries Risk Assessment Among Malaysian Young Adults Aged Between 18-20 Years Old Using the Cariogram, The ICCMS CRA, The MOH-CRA and the UM-CRA Tools -A Comparative Study
3.	Geo-mapping of Oral Cancer Burden and Accessibility to Treatment Facilities among Adults in Sarawak
4.	Opinions of Schoolchildren and Teachers Regarding the Dental Science Kit (DES-KIT) Module as a Supplementary Tool in Oral Health Education
5.	Teachers' Perspectives on the Acceptability of the SPARKLE Package for Primary School Children from Rural and Low Socioeconomic Backgrounds: A Qualitative Study
6.	Exploring Experiences and Perceptions of Oral Health Education Approaches Among Primary School Children in Malaysia: A Qualitative Study
7.	Knowledge, Attitude and Risk Behaviour Regarding Oral Cancer Among Orang Asli Secondary School Students in Peninsular Malaysia: A Cross-Sectional Study
8.	What Patients Say About Dental Services in Malaysia: A Google Review Analysis
9.	A Document Review of Dental Advertising Guidelines and Policies Across Different Countries
10.	Awareness, Knowledge, Attitude and Behaviour Regarding Malaysian Tobacco Control Laws and Policies Among Undergraduate Students in Universiti Malaya
11.	Mapping Oral Health Issues, Treatment Needs and Barriers to Care Among Methadone Replacement Therapy (MRT) Patients: A Scoping Review
12.	A Policy Review and Gap Analysis of Supportive Care for Head and Neck Cancer Survivor in Malaysia
13.	Knowledge, Attitude, Practices, Confidence Level and Barriers Regarding Smoking Cessation Advice and Perception of E-Cigarette Use Among Dental Undergraduates in Malaysia
14.	E-cigarettes and Young Adults in Malaysia: Reasons for Initiation, Awareness to Oral Health Risks, Barriers to Cessation
15.	The Impact of Parental Supervision on Caries Risk Levels in 5- to 6- Years-Old Children: A Mixed-Methods Study in Kuala Muda District
Universiti Kebangsaan Malaysia (UKM)	
16.	Dental Extraction Bleeding Time as An Indicator for Clopidogrel Resistance - A Pilot Study

No.	Title
17.	Development of a Systematic Chairside Diagnostic Approach In Differentiating Odontogenic and Non-Odontogenic Pain
Universiti Sains Malaysia (USM)	
18.	Exploring the Factors associated with the Acceptance of Virtual Dental Clinic, It's Usefulness, Benefit and Challenges Among Government Dental Practitioners in Malaysia
19.	Oral Frequency of Cariogenic Food Consumption Among 11- to 12-Year-Old Primary Schoolchildren in Pulau Pinang
20.	Assessment of Oral Health Status and Function, and Health Related Quality of Life among Cancer Patients Attending Hospital Universiti Sains Malaysia.
21.	Accessibility to Oral Health Care Services and Oral Health-Related Quality of Life among Children with Cerebral Palsy in Kelantan.
22.	The Intention to Provide Anticipatory Guidance on Early Childhood Caries Prevention Among the Ministry of Health Dental Therapists and Its Associated Factors
23.	Prevalence, Susceptibility, Knowledge and Attitude on Electronic Cigarette Use Among Adolescents in Kota Bharu, Kelantan.
24.	Longitudinal Study on Oral Health Status and Functions, and Health-related Quality of Life of Adult Patients Receiving Chemotherapy and/or Head and Neck Radiotherapy
25.	A Cluster Randomized Controlled Trial Investigating the Effect of Number of Topics in Educational Videos to Improve Oral Health Status, Oral Health Knowledge, Attitude and Skills (KAS) Among Preschool Children in Kota Bharu, Kelantan: Focus on the Topics of Tooth Brushing Techniques, Sugar, and Pathogenesis of Dental Caries & Gingivitis
26.	Nutrition and Oral Health: A Narrative Review
27.	Development and Evaluation of The Oral Healthcare Services Clinical Pathway for Individuals with Special Healthcare Needs
28.	Characteristics of Paediatric Patients and Dental Treatment Pattern with Nitrous Oxide Inhalation Sedation (Nois): A Multicentre Study
29.	The Effectiveness of Oral Health Education Module (MyBRUSH) in Improving Knowledge, Attitude, and Behaviour on Toothpaste Use and Toothbrushing Among 12-Year-Old Children in Tawau Division, Sabah: A Cluster Randomised Trial
30.	Association Among Oral Health Status, Oral Symptoms, Oral Health Related Quality of Life and Health Related Quality of Life in Young Adults: A Cross-Sectional Study Among Undergraduate University Students in Universiti Teknologi Mara (UiTM) (Kota Bharu Campus) Kelantan
31.	A Study on Oral Health Diagnosis Related Groups (DRGs) Clinical Coding Error, Its Associated Factors and Financial Implications Based on Casemix System Output at Hospital Universiti Sains Malaysia
32.	The Effectiveness 'Agelessmile Oral Health Care Module' In Improving Knowledge, Attitude and Self-Efficacy of the Healthcare Staff Caring for the Elderly in Rumah Ehsan, Department of Social Welfare Malaysia

No.	Title
33.	Effectiveness of 'TriSmiley-21' Oral Health Education Module in Improving Knowledge, Attitude and Practice of Primary Caregivers and Dental Plaque Maturity Status of Individuals with Down Syndrome
Universiti Teknologi MARA (UiTM)	
34.	Geo-mapping of The Public Water System and Domestic Wells and Their Association with The Caries Experience of the 12 Years Old Schoolchildren in Kelantan
35.	Psychosocial Determinants Arising from Musculoskeletal Challenges Among Malaysian Primary Oral Healthcare Personnel
36.	Unlocking Change: A Qualitative Study on Dental Postgraduates and Patients' Perspectives in Smoking Cessation Through Motivational Interviewing in UiTM's Quit Smoking Clinic
37.	The Smoking Cessation Clinic in Faculty of Dentistry UiTM: Outcomes and Economic Evaluation Study
38.	Deregulation of Liquid Nicotine from Poison Act 1952: A Content Analysis of Malaysia's Online News and Commentaries Posted on Social Media
39.	Exploring Betel Quid Chewing Among Orang Asli: Prevalence, Cultural Significance and Quitting Intentions
40.	Contextualization of Conceptual Oral Health Care Protocol for Caregivers of Elderly in Nursing Homes
41.	Development of Assessment Factors for Management of Poor Prognosis First Permanent Molars in Children
42.	Prognostic Evaluation of Impacted Maxillary Canine Using Panoramic Radiograph
London School of Hygiene & Tropical Medicine, United Kingdom	
43.	A Critical Analysis of the <i>Peduli Kesehatan untuk Kumpulan B40</i> Initiative for the Achievement of Universal Health Coverage in Malaysia

COMPENDIUM OF ABSTRACTS NATIONAL ORAL HEALTH RESEARCH PRIORITIES

The National Oral Health Research Initiatives (NOHRI) Executive Committee, during Meeting No. 1/2023, resolved to produce a Compendium of Abstracts under the National Oral Health Research Priorities (NOHRP) framework in Malaysia.

This initiative marks an expansion from previous compilations, which were primarily limited to research contributions from the Ministry of Health (MOH). The current compendium adopts a broader scope by incorporating research from a diverse range of contributors. These include oral health professionals from the MOH, the Malaysian Armed Forces Dental Services, faculties of dentistry from both public and private universities, as well as non-governmental organisations involved in oral health research, such as Cancer Research Malaysia.

Selection Criteria

The abstracts included in this volume were selected based on the following criteria:

- i. The research must be in the form of a published article, journal paper, or technical report relevant to the NOHRP domains. Abstracts from studies outside these domains may also be considered.
- ii. Only completed research projects were accepted; case reports and case series were excluded.
- iii. Abstracts previously presented at national or international conferences, whether as oral or poster presentations, were eligible.
- iv. Submissions from postgraduate students and dental officers undergoing gazettement were also considered.

Research Domains

The National Oral Health Research Priorities are categorised under the following domains:

- i. Oral Health Condition
- ii. Public Oral Health Intervention and Empowerment
- iii. Access to Oral Healthcare
- iv. Traditional and Complementary Medicine (TCM) in Oral Healthcare
- v. Oral Tissue Engineering (OTE) and Regenerative Dentistry
- vi. ICT Support Systems for Oral Healthcare
- vii. Digital Technologies in Dentistry

In total, 393 abstracts of research conducted between 2020 and 2022 have been compiled in this volume (**Table 3.4**). This compendium serves as a comprehensive reference reflecting the breadth and diversity of oral health research in Malaysia, supporting evidence-based practice, policy development, and innovation.

Table 3.4 Number of Abstracts in Compendium of Abstracts National Oral Health Research Priorities 2020-2022

No.	Domain	No. of Abstracts
1.	Oral Health Condition	117
2.	Public Oral Health Intervention and Empowerment	75
3.	Access to Oral Health Care	41
4.	Traditional and Complementary Medicine in Oral Healthcare	17
5.	Information & Communication Technology (ICT) Support System for Oral Healthcare	14
6.	Oral Tissue Engineering (OTE) and Regenerative Dentistry	19
7.	Digital Technologies in Dentistry	32
8.	Others	78
Total		393

Oral Health Professional Development Section



*From Left to right : Dr Yusmazatulina binti Yusoff,
Dr Nursyahirah binti Suhada, Dr. Noor Hasmin binti
Mokhtar, Dr, Enny Esdayantey binti Abdul Manab,
Dr. Azliza binti Dato' Zabha*

ORAL HEALTH PROFESSIONAL DEVELOPMENT

POSTGRADUATE TRAINING FOR DENTAL SPECIALISTS AND DENTAL OFFICERS

A total of 323 out of 330 applicants qualified for the Federal Training Scholarship (*Hadiah Latihan Persekutuan – HLP Scholarship*) interview which was held in March 2024. A total of 80 candidates were fully paid study with the HLP Scholarship for dental postgraduate courses and the Master of Enforcement Law. No slots were offered for the ‘Area of Special Interest Programme’ in 2024, which is expected to resume in 2025. Meanwhile, two (2) candidates were offered full paid study leave (*Cuti Belajar Bergaji Penuh - CBBP*) without HLP Scholarship (**Figure 4.1**).

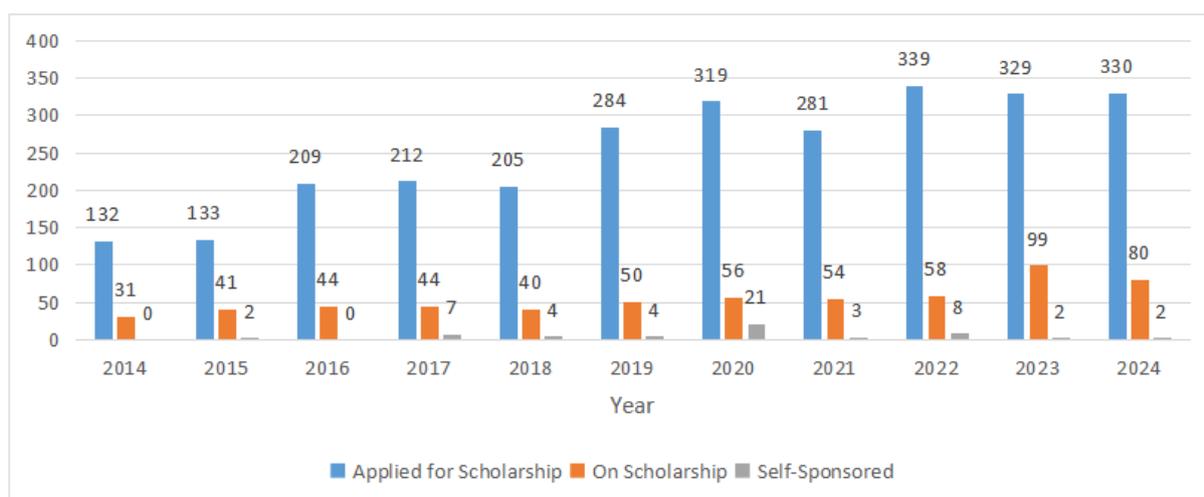


Figure 4.1 Dental Officers Pursuing Postgraduate Training, 2014-2024

Out of the 82 officers approved for fully paid study leave (with or without the Federal Training Scholarship (HLP)) in 2024, 75 pursued postgraduate studies and Law Enforcement training at local public universities. The remaining seven (7) officers were granted opportunities to continue their studies at overseas institutions (**Table 4.1**).

Table 4.1 Dental Officers Pursuing Postgraduate Training by Discipline, 2024

No.	Discipline	On Federal Scholarship		Self-sponsored/ Other sponsorship		Total
		Local	Abroad	Local	Abroad	
1.	Oral and Maxillofacial Surgery	13	0	0	0	13
2.	Orthodontic	15	0	0	0	15
3.	Periodontic	5	3	0	0	8
4.	Paediatric Dentistry	5	0	0	1	6
5.	Restorative Dentistry	11	1	0	1	13
6.	Oral Pathology and Oral Medicine	5	0	0	0	5
7.	Special Care Dentistry	3	0	0	0	3
8.	Dental Public Health	17	0	0	0	17
9.	Forensic Odontology	0	1	0	0	1

No.	Discipline	On Federal Scholarship		Self-sponsored/ Other sponsorship		Total
		Local	Abroad	Local	Abroad	
10.	Area of Special Interest	0	0	0	0	0
11.	Enforcement Law	1	0	0	0	1
TOTAL		75	5	0	2	82

A total of 77 dental officers completed their postgraduate training in 2024 and commenced the induction training or pre-gazettement period (**Table 4.2**).

Table 4.2 Dental Officers Completed Postgraduate Training by Specialty, 2024

No.	Specialty	Local Universities	Institutions Abroad
1.	Oral and Maxillofacial Surgery	12	1*
2.	Orthodontic	14	2*
3.	Periodontic	8	0
4.	Paediatric Dentistry	11	0
5.	Restorative Dentistry	10	0
6.	Oral Pathology and Oral Medicine	0	0
7.	Special Care Dentistry	2	1*
8.	Dental Public Health	15	0
9.	Forensic Odontology	0	1*
TOTAL		72	5

*Dental specialists currently undergo induction period

GAZETTEMET OF DENTAL SPECIALISTS

In 2024, four (4) meetings of the Dental Specialist Gazettement and Evaluation Committee [*Jawatankuasa Penilaian Pewartaan Pakar Pergigian (JPPPP)*] were held to evaluate and provide recommendations to the *Jawatankuasa Khas Perubatan (JKP)* regarding the gazettement of Dental Specialists within the Ministry of Health (MOH) as shown in **Table 4.3**.

Table 4.3 Dental Specialist Gazettement and Evaluation Committee Meetings for Year 2024

No.	Meeting	Date	No. of Pre-gazettement Dental Specialists Applications
1.	Dental Specialist Gazettement and Evaluation Committee No. 1 of Year 2024	13 March 2024	5
2.	Dental Specialist Gazettement and Evaluation Committee No. 2 of Year 2024	5 July 2024	34
3.	Dental Specialist Gazettement and Evaluation Committee No. 3 of Year 2024	7 October 2024	8
4.	Dental Specialist Gazettement and Evaluation Committee No. 4 of Year 2024	28 November 2024	4

GAZETTEMENT OF DENTAL PUBLIC HEALTH AND CLINICAL DENTAL SPECIALISTS

A total of 51 Dental Public Health and Clinical Dental Specialists from various specialties were gazetted in 2024 (Table 4.4).

Table 4.4 Dental Public Health and Clinical Dental Specialists Gazetted, 2024

No.	Specialties	Total
1.	Oral and Maxillofacial Surgery	12
2.	Orthodontic	6
3.	Periodontic	7
4.	Paediatric Dentistry	10
5.	Restorative Dentistry	6
6.	Oral Pathology and Oral Medicine	3
7.	Special Care Dentistry	0
8.	Dental Public Health	7
9.	Forensic Odontology	0
TOTAL		51

APPOINTMENT OF DENTAL CONSULTANT

Mesyuarat Jawatankuasa Lantikan Pakar Perunding Pergigian Tahun 2024 was convened on 11 October 2024 during which a total of 40 applications were approved after having fulfilled the evaluation criteria and requirement as stipulated in the *Garis Panduan Penggunaan Gelaran Pakar Perunding Pergigian* published in April 2024. The number of approved applications by specialties were as following (Table 4.5).

Table 4.5 Appointment of Dental Consultant by Dental Consultant Appointment Committee, 2024

No.	Specialties	Total
1.	Oral and Maxillofacial Surgery	9
2.	Orthodontic	2
3.	Periodontic	8
4.	Paediatric Dentistry	5
5.	Restorative Dentistry	7
6.	Oral Pathology and Oral Medicine	2
7.	Special Care Dentistry	1
8.	Dental Public Health	6
TOTAL		40

NEW DENTAL OFFICER PROGRAMME

The New Dental Officer Programme (NDOP) is a structured program designed to provide adequate training for the New Dental Officers (NDOs) and to facilitate adaptation in the working environment upon completion of their undergraduate studies. The programme

includes clinical attachments in primary care, Pediatric Dentistry and Oral and Maxillofacial Surgery departments as well as exposure to management and administrative activities pertaining to oral healthcare. In 2024, a total of 744 NDOs from four (4) cohorts were contractually appointed as listed below (Table 4.6).

Table 4.6 Dental Officers Who Contractually Appointed in MOH, 2024

Cohort	Date of Appointment	Number of NDOs
1/ 2024	25 February 2024	126
2/ 2024	16 June 2024	414
3/ 2024	18 August 2024	138
4/ 2024	13 October 2024	66
TOTAL		744

PROFESSIONAL DEVELOPMENT OF DENTAL AUXILIARIES

CERTIFICATE OF DENTAL SURGERY ASSISTANT, DIPLOMA IN DENTAL NURSING AND DIPLOMA IN DENTAL TECHNOLOGY

The training of Dental Auxiliaries including Dental Surgery Assistants (DSAs), Dental Therapists, and Dental Technologists was coordinated by the Training Division, Ministry of Health and conducted at the Training Institute, Ministry of Health (Dental). In 2024, the intake for the Certificate in Dental Surgery Assistants programme was 153, while the Diploma in Dental Therapy and Diploma in Dental Technology programmes enrolled 69 and 46 trainees, respectively (Table 4.7). A total of 149 DSA trainees, 47 Dental Therapist trainees and 37 Dental Technologist trainees successfully completed their training by passing the final examination in 2024.

Table 4.7 Number of Trainee Intake for Certificate of Dental Surgery Assistants, Diploma in Dental Therapy and Diploma in Dental Technology, 2024

Course	Number of Trainee
Certificate of Dental Surgery Assistant	153
Diploma in Dental Therapy	69
Diploma in Dental Technology	46

POST-BASIC TRAINING

Post-basic training serves as a key pathway for continuous professional development and career progression for auxiliary health personnel, including Medical Assistants, Radiographers, Dental Technologists and Dental Therapists under the Ministry of Health (MOH). In September 2024, a total of 17 candidates successfully passed the selection interview for the Orthodontic Post-Basic Course for Dental Technologists and commenced the six-month training at the Children’s Dental Center & Ministry of Health Training Institute (Dental) Georgetown.

IN-SERVICE TRAINING FOR DENTAL PERSONNEL (*LATIHAN DALAM PERKHIDMATAN*)

IN-SERVICE TRAINING (LOCAL)

As of the end of December 2024, there were 116 consultancy trainings, courses and conferences were conducted and attended by Dental Specialists, Dental Officers, Dental Auxiliaries and supporting staff (**Table 4.8**).

Table 4.8 In-service Trainings (Local) Conducted and Attended by Dental Personnel in 2024

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
1.	<i>Bengkel Pembangunan Model of Good Practice (MOGP) dan Credential & Privileging (C&P) Perkhidmatan Kluster Kepakaran Pergigian Bil. 1/2024</i>	3 Officers	5 February-5 March 2024	4,000.00	Bilik Mesyuarat Utama PKP KKM
2.	<i>Taklimat Pengenalan Lean Healthcare Initiative (LHCI)</i>	725 Officers	14 February 2024	330.00	Bilik Mesyuarat Utama PKP KKM
3.	15th MADPHS AGM & Scientific Conference 2024	44 Officers	22-23 February 2024	20,490.00	Bangi Resort Hotel, Bandar Baru Bangi, Selangor
4.	9th MASP Biennial Scientific Meeting 2024 – Synergy in Pain Care	2 Officers	22-24 February 2024	1,400.00	Hospital Sultan Abdul Aziz Shah (HSAAS), UPM Serdang Selangor
5.	<i>Bengkel Pengukuhan Perkhidmatan Kesihatan Pergigian Primer 2024 bagi PKP KKM</i>	28 Officers 17 Auxiliaries	26-28 February 2024	23,820.00	The Pearl KL
6.	<i>Bengkel Pelaporan Projek Kumpulan Inovatif & Kreatif Sektor Awam (KIKSA)</i>	4 Officers	28-29 February 2024	3,600.00	Hotel Swiss-Garden, Bukit Bintang Kuala Lumpur
7.	7th MPDPA ASEAN DSA Congress & Trade Exhibition 2024	18 Auxiliaries	25 February 2024	5,670.00	Armada Hotel Petaling Jaya
8.	<i>Kursus Meningkatkan Pengetahuan dan</i>	20 Auxiliaries	28 February - 1 March	27,410.00	Hotel RHR Kajang

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	<i>Kemahiran Pemanduan Kenderaan Pacuan 4 Roda (4WD) Tahun 2024</i>		2024		
9.	Training of Trainers (ToT) bagi CPG Management of Anterior Crossbite (3rd Edition) & CPG Management of Hypodontia 1	60 Officers	28 February 2024	990.00	Bilik Mesyuarat Utama PKP KKM
10.	<i>Persidangan</i> Dental Traumatology, University of Malaya	5 Officers	2-3 March 2024	2,000.00	Connexion Conference & Event Centre Bangsar South City, Kuala Lumpur
11.	<i>Bengkel Pengujian</i> End to End Data Verification bagi Sistem Gi-RET 2.0 Siri 1 2024	5 Officers	4-5 March 2024	1,280.00	Hospital Cyberjaya
12.	<i>Kongres</i> Future Healthcare Asia	5 Officers	6-7 March 2024	3,000.00	Hotel Royal Signature Kuala Lumpur
13.	<i>Kursus Pengendalian Peralatan Tajam:</i> Understanding, Evaluating and Implementing Effective Control Measures	14 Officers 16 Auxiliaries	6-8 March 2024	13,570.00	Hotel Grand Barokah
14.	International Conference on Environment, Social, Governance (ESG) and Sustainability in Dentistry	2 Officers	23-24 March 2024	200.00	Online
15.	<i>Bengkel</i> Social Media Core Team PKP KKM	22 Officers 7 Auxiliaries	25-27 March 2024	18,658.80	Hotel Mardiyah
16.	<i>Bengkel Kalibrasi</i> Gingival Index for Schoolchildren (GIS)	15 Officer 15 Auxiliaries	21 April–3 July 2024	24,713.67	Selangor, Sabah, Pulau Pinang & Johor
17.	Melaka Infection Control and Antimicrobial Stewardship	2 Officers	17–19 April 2024	800.00	Noble Resort Melaka

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	Conference 2024				
18.	<i>Bengkel Training of Trainers on Clinical Practice Guidelines (CPG) Management of Hypodontia</i>	55 Officers	22 April 2024	1,600.00	Bilik Mesyuarat Utama PKP KKM
19.	<i>Bengkel Latihan Penyeragaman Pengisian Data Perkhidmatan Penjagaan Kesihatan Pergigian Primer Bagi Sistem Gi-RET 2.0 Peringkat Negeri Kedah Tahun 2024</i>	32 Officers 31 Auxiliaries	22 - 23 April 2024	5,295.78	Dewan Persidangan Tingkat 5 UTC Kedah, Alor Setar, Kedah
20.	<i>Kursus Management of Pulp and Periradicular Diseases in Young Permanent Teeth</i>	20 Officers 2 Auxiliaries	22 - 23 April 2024	7,116.00	Hotel Ibis KLCC
21.	<i>Bengkel Pembangunan Garis Panduan Cawangan Promosi KP</i>	13 Officers 2 Auxiliaries	23 - 25 April 2024	8,440.00	The Pearl KL
22.	<i>Kursus Pembangunan dan Perkembangan Fasiliti Kesihatan Pergigian Tahun 2024</i>	21 Officers 21 Auxiliary	23 - 25 April 2024	22,692.20	Hotel Villea Morib
23.	<i>8th Dental Technologist and Trade Exhibition 2024</i>	35 Auxiliaries	26 - 28 April 2024	15,750.80	Hotel Berjaya Times Square KL
24.	<i>Bengkel Pemantapan Penyediaan Pelaporan Bulanan Perjawatan Tahun 2024</i>	16 Officers 44 Auxiliaries	29 - 30 April 2024	13,884.83	PICC Putrajaya
25.	<i>Bengkel Pemantapan Perkhidmatan Kepakaran Periodontik KKM 2024</i>	32 Officers	29-30 April 2024	9,221.00	Erya by Suria Janda Baik, Pahang
26.	<i>Simposium Keselamatan Pesakit Pergigian 2024 PKP KKM</i>	40 Officers	30 April 2024	11,600.00	Auditorium RTM Ipoh Perak
27.	<i>Bengkel Aplikasi Motivational Interviewing untuk</i>	30 Officers	6-8 May 2024	20,880.90	Hotel HIG Langkawi Kedah

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	<i>Program KOTAK</i>				
28.	<i>Bengkel Pembangunan Modul Ad-Hoc Query Menggunakan Platform Microsoft Power BI bagi Sistem Gi-RET 2.0</i>	32 Officers 33 Auxiliaries	6-8 May 2024	16,100.00	Mercure Hotel KL
29.	<i>Bengkel Unjuran Juruterapi Pergigian berdasarkan Pendekatan System Dynamics Modelling and Simulation with Vensim 2024</i>	10 Officers 20 Auxiliaries	7-9 May 2024	21,096.00	Ibis KL City Centre
30.	Kursus Enhancing Haemophilia Patient Care: CPG Insights for Dental Practitioners	472 Officers	7 May 2024	968.00	Online di Unit IT Hospital Ampang
31.	<i>Kursus Bidang Bahasa: Cendekia Bahasa</i>	1 Officer	7-8 May 2024	300.00	Dewan Bahasa dan Pustaka KL
32.	<i>Kursus Pemantapan Pelaksanaan Sistem Pengurusan Kualiti MS ISO 9001:2015</i>	50 Officers 10 Auxiliaries	8-9 May 2024	6,350.00	Bilik Mesyuarat Utama PKP KKM
33.	<i>Bengkel Pemantapan Pengurusan Operasi Disaster Victim Identification (DVI) Kepakaran Pergigian Forensik</i>	20 Officers	8-9 May 2024	4,500.00	Institut Kepimpinan dan Pembangunan (ILD) Universiti Teknologi Mara, Bandar Enstek
34.	<i>Kursus Ketua Auditor ISO 9001:2015</i>	2 Officers	13-17 May 2024	4,104.00	Hotel Concorde KL
35.	Holistic Dentistry - Natural Approach In SCD	90 Officers	15-16 May 2024	6,696.00	NIH Setia Alam
36.	Conference & Exhibition MDPC 2024: "Level up your skills"	8 Officers	18-19 May 2024	4,364.80	Armada Hotel, Petaling Jaya
37.	<i>Kursus Budaya Kerja Minda Kelas Pertama Anggota Kumpulan Pelaksana Program Kesihatan Pergigian PKP KKM</i>	39 Auxiliaries	23-25 May 2024	22,006.05	The Grand Puteri Hotel Kuala Terengganu
38.	Global Oral Cancer Forum (GOCF) 2024	20 Officers	25-26 May 2024	14,113.60	University Malaya KL

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
39.	Certified Digital Forensic for First Responder (CDFFR)	1 Officer	27-30 May 2024	6,793.20	Cybersecurity
40.	<i>Bengkel Pembangunan Buku Log Bagi e-Pewartaan Pakar Pergigian</i>	32 Officers	28-29 May 2024	10,735.20	Tamu Hotel KL
41.	<i>Bengkel Pemantapan Auditor Pemantauan Klinikal Program Kesihatan Pergigian KKM 2024</i>	40 Officers	29-31 May 2024	17,879.53	Santa Grand Signature KL
42.	<i>Bengkel Analisa Data Kaji Selidik Validation of Oral Health Literacy Questionnaire (OHLQ) For the Use of Malaysian Population</i>	5 Officers	30-31 May 2024	2,880.00	The Everly Putrajaya
43.	<i>Bengkel Analisa Data Bahagian II & Penulisan Laporan Kaji Selidik Validation of Oral Health Literacy Questionnaire (OHLQ) for the Use of Malaysian Population</i>	5 Officers	6-7 June 2024	2,880.00	The Everly Putrajaya
44.	<i>Kursus Intipan, Risikan dan Serbuan bagi Pegawai diberi Kuasa di Bawah Akta Pergigian 2018 (Akta 804)</i>	48 Officers 1 Auxiliary	10-13 June 2024	25,460.00	The Jelai Hotel Alor Setar Kedah
45.	<i>Bengkel Latihan Pengukuhan Pengguna Modul Pengurusan Pesakit Dan Clinical Documentation (ICDE) Sistem TPC-OHCIS 2024</i>	120 Officers	11 June–17 July 2024	3,960.00	Cyberjaya and Johor
46.	<i>Root Cause Analysis (RCA) Program Kesihatan Pergigian Kementerian Kesihatan Malaysia (PKP KKM)</i>	42 Officers	12-13 June 2024	9,072.00	Laksamana Hall, Marina Putrajaya
47.	<i>Kursus Introduction to a Qualitative Study</i>	30 Officers	19-21 June 2024	5,710.00	NIH Setia Alam
48.	Malaysian Society of	4 Officers	20-22 June	2,895.00	Setia City

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	Geriatric Medicine (MSGM) Conference		2024		Convention Centre Shah Alam
49.	<i>Bengkel Peringkat Akhir Penyediaan Dokumen Kod Amalan Akreditasi Program Pergigian bagi Diploma Terapi Pergigian (COPPA-For Diploma in Dental Therapy, COPAA-DipDT)</i>	10 Officers 3 Auxiliaries	23-25 June 2024	13,511.31	Olive Tree Hotel Pulau Pinang
50.	<i>Konvensyen Kualiti PKP KKM 2024</i>	170 Officers	24-25 June 2024	54,362.31	Hotel H Elite Kota Bharu
51.	<i>Bengkel Pra-Uji Penggunaan Dental Information System (DIS): Clinical di Klinik Pergigian Rintis di Melaka</i>	19 Officers 4 Auxiliaries	25-27 June 2024	12,968.72	Hotel Swiss Garden Melaka
52.	<i>Kursus Pra Persaraan Perkhidmatan Awam</i>	2 Officers	26-28 June 2024	2,980.00	Langkawi Seaview Hotel, Langkawi
53.	Oral Health Pain Free Symposium 2024	250 Officers	4 July 2024	8,260.00	Auditorium IKN, Putrajaya
54.	<i>Kursus Leadership Inspiring Change: Strategies for Transformational Leadership</i>	2 Officers 1 Auxiliary	4 July 2024	480.00	Ballroom Level 7, KSL Hotel & Resort Johor Bahru
55.	6th Malaysian Dental Therapists' Scientific Conference	50 Auxiliaries	7-9 July 2024	22,500.00	Berjaya Time Square Kuala Lumpur
56.	8th Asia Pacific Conference on Public Health (APCPH)	5 Officers	9-11 July 2024	2,000.00	Hotel Pullman, Kuching, Sarawak
57.	<i>Bengkel Systematic Review and Meta Analysis of Safety, Effectiveness of Alternative Restorative Materials Versus Dental Amalgam</i>	10 Officers	9-12 July 2024	11,790.98	Hotel Neo Penang
58.	<i>Kursus Prostodontik Digital: Prosthodontic</i>	57 Officers	9-11 July 2024	3,610.00	NIH Setia Alam

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	Digitalization: A New Mile to Better Smile, Lectures, Hands-On & Group Work	9 Auxiliaries			
59.	<i>Kursus Bidang Bahasa: Penulisan Profesional Dokumen Rasmi</i>	1 Officer	16-17 July 2024	300.00	Dewan Bahasa dan Pustaka KL
60.	30th Malaysian Association of Orthodontics International Scientific Conference & Trade Exhibition	30 Officers	13-15 July 2024	15,000.00	Pulau Pinang
61.	<i>Bengkel Pemuktamadan Pelan Strategik Kesihatan pergigian Kebangsaan 2022 - 2030</i>	33 Officers	20 July 2024	4,795.20	Laksamana Hall, Marina Putrajaya
62.	<i>Bengkel Pemerkasaan Penyampaian Perkhidmatan Kesihatan Pergigian tahun 2024</i>	52 Officers	23-25 July 2024	31,494.04	Hotel Lexis Port Dickson Negeri Sembilan
63.	<i>Kursus Pemantapan Pelaksanaan Caj Rawatan Pergigian Tahun 2024</i>	36 Officers 3 Auxiliaries	23-24 July 2024	8,418.80	Le Quadri Hotel KL
64.	<i>Bengkel Pembangunan Laman Web Lembaga Juruterapi Pergigian Malaysia Program Kesihatan Pergigian</i>	11 Auxiliaries	23-25 July 2024	720.00	Makmal Komputer, Bahagian Pengurusan Maklumat Putrajaya
65.	<i>Kursus Pengenalan Asas Akta Pergigian 2018 (Akta 804) dan Akta-Akta yang Berkaitan bagi Pegawai diberi Kuasa di Bawah Akta 804 (Siri 4)</i>	26 Officers 4 Auxiliaries	23-25 July 2024	14,960.00	Palm Seremban Hotel
66.	<i>Bengkel Pemerkasaan Lean Healthcare Initiative PKP KKM</i>	35 Officer 14 Auxiliaries	23-25 July 2024	23,841.00	The Pearl Hotel
67.	<i>Bengkel Pengukuhan Tadbir Urus bagi</i>	43 Officers	30 July-1 August	26,100.00	Ibis Hotel KL

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	<i>Pegawai Kesihatan Pergigian Daerah (PKPD) Tahun 2024 PKP KKM</i>		2024		
68.	<i>Seminar Tahunan Slaid Patologi Mulut 2024</i>	43 Officers	7 - 8 August 2024	4,000.00	Auditorium Sri Selasih Hospital Sultan Ismail
69.	<i>Bengkel Penulisan Cochrane Systematic Review and Meta Analysis PKP KKM</i>	26 Officers	7 - 9 August 2024	13,520.00	Geno Hotel KL
70.	<i>Bengkel Pemurnian Pelan Induk Kepakaran Pergigian (PIKP) KKM</i>	18 Officers 2 Auxiliaries	14 - 16 August 2024	13,680.00	Ibis Hotel KL
71.	<i>Bengkel Pembangunan Manual Operasi UPPKA</i>	34 Officers	19 - 21 August 2024	11,100.00	Jerai Hill Resort Gurun Kedah
72.	<i>Bengkel Pembangunan Asas Aplikasi Berasaskan Laman Sesawang (Web Based)</i>	34 Officers	20 - 22 August 2024	17,600.00	Mercure Hotel KL
73.	<i>Kursus Pembantu Perawatan Kesihatan (Pergigian) Peringkat Kebangsaan KKM Tahun 2024</i>	3 Officers 44 Auxiliaries	21 - 23 August 2024	15,374.84	Pangkor Holiday Resort, Pulau Pangkor Perak
74.	MIDEC 2024	30 Officers	23 - 25 August 2024	17,550.00	KLCC
75.	<i>Bengkel Geographic Information System (GIS) PKP KKM</i>	20 Officers	26 - 28 August 2024	10,880.00	Santa Grande Hotel KL
76.	<i>Kursus Keterampilan Diri Pegawai Diberi Kuasa di Bawah Akta 804 (Zon Tengah)</i>	23 Officers 2 Auxiliaries	29 Ogos 2024	625.00	Bilik Mesyuarat BKP WPKL
77.	<i>Taklimat Pelan Antirasuah Organisasi (OACP), Bengkel Penilaian Risiko Rasuah (CRA) dan Analisa Data dan Bengkel Pelan Tindakan PKP</i>	33 Officers	2 September– 24 October 2024	13,492.00	Bilik Mesyuarat PKP KKM
78.	NOHRI Conference 2024	134 Officers 15	5-7 September	61,901.00	Dewan Damar Sari, Kompleks

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
		Auxiliaries	2024		F, Putrajaya
79.	<i>Bengkel Kaji Semula Garis Panduan Cawangan Penjagaan Pergigian Masyarakat</i>	2 Officers	11-12 September 2024	10,487.00	Ancasa Hotel
80.	<i>Seminar Perancangan Fasiliti Kesihatan 2024</i>	3 Officers	10-13 September 2024	2,080.00	Hotel Mardhiyah Shah Alam
81.	<i>Kursus Perolehan PKP KKM Tahun 2024</i>	24 Officers 12 Auxiliaries	17-18 September 2024	13,520.00	Hotel Sante Grand
82.	<i>Kursus Kesedaran Pengurusan Projek ICT Sektor Awam (PPriSA)</i>	30 Officers	18 September 2024	1,000.00	Bilik Mesyuarat Utama PKP KKM
83.	<i>Bengkel Pengukuhan Tadbir Urus bagi Pegawai Pergigian Yang Menjaga (PPYM) 2024</i>	40 Officers	18-20 September 2024	29,600.00	Mercure Hotel
84.	<i>Kursus Pembantu Pembedahan Pergigian KKM 2024</i>	5 Officers 64 Auxiliaries	18-20 September 2024	23,823.10	Virgo Batik Resort Lumut Perak
85.	Borneo Lean Conference	1 Officer	24 September 2024	200.00	Sarawak
86.	<i>Bengkel Penyeragaman dan Garis Panduan Penggunaan Definasi (Glosari) bagi Oral Squamous Cell Carcinoma Resection Reporting Proforma 2024</i>	23 Officers	19-20 September 2024	1,250.00	Bilik Gerakan Bangunan Persekutuan Pulau Pinang
87.	<i>Bengkel Penulisan Manuskrip Kajian NHMS 2020: NOHSA 2020</i>	12 Officers 1 Auxiliary	23-25 September	13,520.00	Mercure Hotel KL
88.	<i>Bengkel Modul Intervensi Sains Tingkah Laku Kesihatan dan Modul Behavioral Insight</i>	40 Officers	24-25 September 2024	13,820.84	Tenera Hotel Bangi
89.	Periodontics Research Day 2024	245 Officers	24-25 September 2024	800.00	Online

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
90.	36th MES Annual Scientific Meeting and AGM	7 Officers	28-29 September 2024	3,657.50	Royal Chulan, Bukit Bintang Kuala Lumpur
91.	<i>Bengkel Susulan bagi Pengurusan Kes-kes One Stop Crisis Center (OSCC) bagi Pakar Pergigian dan Pegawai Pergigian KKM Siri 1 & 2 Tahun 2024</i>	40 Officers	25-26 September 2024	5,500.00	Institut Kepimpinan dan Pembangunan Universiti Teknologi MARA, Nilai, Negeri Sembilan
92.	<i>Bengkel Critical Appraisal Kepakaran Pergigian Restoratif</i>	36 Officers	26-27 September 2024	1,185.00	Bilik Mesyuarat, Klinik Pergigian Presint 18, Putrajaya
93.	<i>Kursus Pengurusan Kewangan Kerajaan PKP KKM 2024</i>	1 Officers 55 Auxiliaries	27-29 September 2024	25,000.00	Hotel Santa Grand Signature KL
94.	9th International Casemix Conference 2024	3 Officers	30 September-2 October 2024	3,300.00	Everly Putrajaya
95.	<i>Penggunaan Sistem E-Kehakiman (E-Filing) Bagi Mahkamah Persekutuan Malaysia 2024</i>	45 Officers	2 October 2024	2,125.00	Bilik Mesyuarat Utama PKP KKM
96.	<i>Sesi Ceramah Minda Sihat Bagi Anggota Program Kesihatan Pergigian IPPKP KKM</i>	55 Officers	4 October 2024	480.00	Bilik Mesyuarat Utama PKP KKM
97.	The First Asean Change Management Conference 2024	1 Officer	8-9 October 2024	2,520.00	Whyndham Grand Hotel, Bangsar
98.	<i>Jerayawara (Roadshow) Pengoperasian Klinikal Sistem DIS: Clinical Fasa 1</i>	40 Officers 24 Auxiliaries	8 October 2024	7,515.00	Classic Hotel, Muar, Johor
99.	<i>Bengkel Latihan Kod Amalan Akreditasi Program Kepakaran Pergigian (Code of Practice for Programme Accreditation – Postgraduate of Dental Degree Programmes</i>	38 Officers 1 Auxiliary	7-9 October 2024	37,000.00	Espira Kinrara Puchong

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
100	<i>Bengkel Pemerkasaan Penganalisaan Laporan/ Reten bagi Aktiviti Penjagaan Kesihatan Pergigian Masyarakat Tahun 2024</i>	31 Officers	9-10 October 2024	14,000.00	KSL Esplanade KL
101	<i>Bengkel Penstrukturan Semula Data Perkhidmatan Pergigian Primer bagi Sistem Gi-Ret 2.0, PKP KKM</i>	18 Officers 2 Auxiliaries	15-18 October 2024	16,980.00	Ibis Hotel KL
102	<i>Bengkel Pengukuhan Program Kesihatan Pergigian Komuniti</i>	15 Officers 15 Auxiliaries	21-23 October 2024	25,039.00	Mercure Hotel
103	<i>Kursus Advanced Surgical Skill Training in Paediatric Dentistry 2024</i>	12 Officers	2 October 2024	1,400.00	Online
104	<i>Persidangan Klef Kebangsaan Tahun 2024 (KLEF 2024)</i>	29 Officers 6 Auxiliaries	12-13 October 2024	19,800.00	Setia City Convention Centre Shah Alam
105	<i>Bengkel Teknik Pendakwaan (Pelbagai Jabatan)</i>	3 Officers	14-18 October 2024	150.00	ILKAP
106	<i>Bengkel Pemurnian Borang Soal Selidik National Oral Health Survey of Preschool Children 2025 (NOHPS 2025)</i>	12 Officers	21 October 2024	1,920.00	Dorsett Hotel Putrajaya
107	<i>Bengkel Pemurniaan Manuskrip NOHSA</i>	12 Officers	22-23 October 2024	5,210.00	Dorset Hotel
108	<i>Kursus Bidang Bahasa: Penulisan Teks Pengacaraan Majlis</i>	1 Officers	28-29 October 2024	300.00	Dewan Bahasa dan Pustaka KL
109	<i>Malaysia International Healthcare (MIH) Megatrends 2024</i>	3 Officers	25-27 October 2024	5,400.00	KLCC
110	<i>Bengkel Vensim untuk Juruterapi Pergigian Bil. 2</i>	25 Auxiliaries	22-24 October 2024	12,000.00	Bilik Mesyuarat Utama PKP KKM
111	<i>Kursus Pemantapan</i>	35 Officers	23-24	15,850.00	Swiss Garden

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	<i>Pakar Pergigian dalam Tempoh Pra-Pewartaan 2024</i>		October 2024		Hotel KL
112	<i>Bengkel Systematic Review on Evidence - Based Clinical Practice, Development Implementation bagi Pakar dan Pegawai Pergigian</i>	55 Officers	21-23 October 2024	32,574.46	The Pearl Hotel
113	<i>Taklimat kospen WOW</i>	24 Officers 14 Auxiliaries	24 October 2024	460.00	Bilik Mesyuarat Utama PKP KKM
114	<i>Kursus Budaya Korporat</i>	15 Officers 38 Auxiliaries	8 November 2024	1,200.00	Bilik Mesyuarat Utama PKP KKM
115	<i>Echo-Training Kursus Pemantapan Bahasa Melayu Dewan Bahasa dan Pustaka</i>	50 Officers 29 Auxiliaries	21-22 November 2024	6,500.00	Bilik Mesyuarat Utama PKP KKM
116	SEAADE	10 Officers 1 Auxiliary	26-27 November 2024	10,200.00	Hotel Majestic KL

IN-SERVICE TRAINING (ABROAD)

In 2024, five (5) Dental Specialists were offered the opportunity to undergo training under the In-service Training (Abroad) as shown in **Table 4.9**.

Table 4.9 In-service Training (Abroad) Attended in 2024

No.	Name	Course	Expenses (MYR)	Venue	Date
1.	Dr. Ong Siang Ching	12th European Cleft Palate Craniofacial Association Workshop	25,600.00	Italy	25-28 June 2024
2.	Dr. Muhamad Ropi bin Mamat	Complex Orthognathic Surgery (Including TMJ Surgery)	59,440.00	Portugal	1 - 30 July 2024
3.	Dr. Faizah binti Kamaruddin	Oral Health Care Delivery: Public-Private Collaboration – Success Story and Lesson Learnt	15,000.00	Japan	18 – 24 August 2024
4.	Dr. Rapeah binti Mohd Yassin				

No.	Name	Course	Expenses (MYR)	Venue	Date
5.	Dr. Thaarani Vijayakumar	Identifying and Treating Tongue Tie by The Tongue-Tied Academy	13,000.00	Online	25 hours
6.	Dr. Wan Syasliza binti Mohamed Thani	Behavioural Management for Dental Treatment in Patients with Dementia and Older Adults with Behaviour Issues	25,460.00	Korea	16-27 September 2024

ADVANCED COMPETENCY PROGRAMME (ACP)

In 2024, two (2) Dental Specialists were offered the opportunity to undergo training under the Advanced Competency Programme (ACP) (Table 4.10). However, one of the candidates had to decline the offer due to not receiving an official offer letter from the designated hospital.

Table 4.10 Advanced Competency Programme 2024

No.	Name	Course	Expenses (MYR)	Venue	Date
1.	Dr. Ahmad Kamal Tarmizi bin Zamli @ Zamdi	Fellowship in Facial Plastic Surgery	RM25,980.00	Fakih Hospital, Lebanon	7 - 22 May 2024

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

The following CPD sessions were held in the Oral Health Programme, Ministry of Health (OHP MOH) in 2024 (Table 4.11).

Table 4.11 List of Continuing Professional Development Sessions Conducted in OHP MOH, 2024

No.	CPD Courses	Date
1.	Cocoon Dental Handheld X-ray Training	15 January 2024
2.	<i>Taklimat Pengenalan dan Pelaksanaan Ekosistem Kondusif Sektor Awam (EKSA) Zon Pergigian Bil.1 / 2024</i>	25 April 2024
3.	<i>Minda Kerja Kelas Pertama</i>	28 June 2024
4.	<i>Senyum Penyegar Udara Semulajadi di Tempat Kerja</i>	9 August 2024
5.	<i>Analisa In Body</i>	16 August 2024
6.	<i>Taklimat Kospen WOW</i>	24 October 2024
7.	<i>Taklimat Kesedaran dan Pengenalan Garis Panduan Baharu EKSA Zon Pergigian</i>	30 October 2024

ORAL HEALTH POLICIES

National Oral Health Strategic Plan 2022 – 2030

The National Oral Health Strategic Plan (NOHSP) 2022-2030 outlines the strategies and initiatives guided by the six (6) key priority areas and nine (9) strategic thrusts under the National Oral Health Policy (NOHPol). This plan acts as the reference document with clear objectives, strategies and targets to achieve the impact indicators set by 2030.

There are 51 indicators in the NOHSP 2022-2030 that need to be monitored over a decade. In general, the achievement of these indicators reflects the effectiveness of dental health services by the Ministry of Health Malaysia and all stakeholders involved. It also emphasizes the collaboration efforts from all parties in ensuring the improvement of the Malaysians' oral health status, contributing to their overall wellness and better quality of life.

National Oral Health Strategic Plan 2022-2030 achievements' monitoring are shown in **Table 4.12**.

Table 4.12 National Oral Health Strategic Plan 2022-2030 Achievements' Monitoring for Year 2024

No.	Stages	Date
1.	National Oral Health Strategic Plan (NOHSP) 2022-2030 Finalization Workshop	20 July 2024
2.	National Oral Health Strategic Plan (NOHSP) 2022-2030 Executive Committee Meeting	29 August 2024
3.	Monitoring Achievements of National Oral Health Strategic Plan (NOHSP) 2022-2030 for January-June 2024	2-3 September 2024
4.	Monitoring Achievements of National Oral Health Strategic Plan (NOHSP) 2022-2030 for January-September 2024	5 - 8 November 2024

The plan was meticulously formulated based on the National Oral Health Plan (NOHP) 2011-2020 achievements, issues and challenges finalized at the National Oral Health Strategic Plan (NOHSP) 2022-2030 Finalization Workshop which was held on 20 July 2024 at Laksamana Hall, Marina Putrajaya. The finalized document was subsequently presented and approved by the NOHSP 2022-2030 Executive Committee on 29 August 2024. This committee encompasses representatives from various identified ministries, stakeholders and all dental fraternities. The document has also been distributed to all dental fraternities and uploaded to the OHP MOH website in December 2024.



Image 4.1 Finalization Workshop for NOHSP 2022-2030 Held on 20th July 2024 at Marina Putrajaya



Image 4.2 NOHSP 2022-2030 Executive Committee Meeting Held on 29th August 2024 at OHP MOH

PLAN OF ACTION, ORAL HEALTH PROGRAMME, MINISTRY OF HEALTH

Plan of Action 2024

The main agenda of 2024 Plan of Action (POA) is to strengthen collaboration with other agencies in service delivery focusing more on prevention and promotion activities in-line with NOHPol and NOHSP 2022-2030. The activities and targets outlined in this document will serve as a reference for oral health personnel at both the national and state levels. The framework of the plan was developed in alignment with the six (6) priority areas and nine (9) strategic thrusts. **Table 4.13** shows the Plan of Action 2024 development and monitoring of achievement throughout the year.

Table 4.13 Development and Monitoring of Achievement for Plan of Action 2024

No.	Stages	Date
1.	Presentation of POA 2024 at <i>Mesyuarat Jawatankuasa Dasar dan Perancangan Strategik Kesihatan Pergigian Bil. 6 Tahun 2023</i>	27-28 November 2023
2.	POA 2024 Distribution for Implementation in National and States	23 December 2023
3.	Presentation on the Achievements of the 2024 POA Jan-June and NOHSP 2022-2030	2 - 3 September 2024
4.	Presentation on the Achievements of the 2024 POA Jan – Sept, NOHSP 2022-2030 and Determination of POA 2025 - 2026	5 - 8 November 2024
5.	Distribution of POA 2025 – 2026	29 December 2024

Oral Health Facility Development and Management Section



*From left to right :
Dr. Aslam Diyana binti Selamat, Dr. Ahmad Syahir bin
Ahmad Zu Safiuddin, Dr. Sanjit Singh a/l Mehinder Singh,
Ms. Ameela binti Aziz, Dr. Faizah binti Kamaruddin*

ORAL HEALTH FACILITY DEVELOPMENT AND MANAGEMENT

ORAL HEALTH FACILITIES

Oral healthcare in Malaysia is provided in a variety of settings, including health clinics, standalone clinics, hospitals, schools and institutions. In addition to these traditional settings, oral healthcare services are also provided through mobile dental clinics and mobile dental teams. These services are designed to reach people who live in rural areas or who have difficulty accessing traditional dental care.

In 2024, the MOH had a total of 1,742 oral health facilities (**Table 5.1**), 679 mobile dental teams (**Table 5.2**), 3,315 dental chair cum unit (DCCU) and 3,564 portable dental unit (**Table 5.3**).

Table 5.1 Oral Health Facilities by Type in MOH, 2024

Facility	Number of Facility
Stand-alone Dental Clinic	67
Dental Clinics in Health Centres / MCHC	597
Dental Clinics in Community Clinic	1
Dental Clinics in Hospitals	79
School Dental Clinics	904
Dental Clinics in UTC / RTC	26
Others: IMR, Prisons, Pusat Serenti, Handicapped Children Centres, Children Spastic Centres, Puspanita, Perbadanan	20
Total (Static facilities)	1,694
Mobile Dental Clinics	44
Mobile Dental Laboratories	4
Total (Mobile facilities)	48
Overall total	1,742

MCHC = Maternal and Child Health Clinic

UTC = Urban Transformation Centres

RTC = Rural Transformation Centres

Table 5.2 Mobile Dental Team in MOH, 2024

Mobile Dental Team	Overall Number of Mobile Dental Team	Number of New Mobile Dental Team in 2024
Total	679	17

Table 5.3 Dental Chair Cum Unit (DCCU) and Portable Dental Unit (Function) in MOH, 2024

Dental Equipment	Overall Number of Equipment	Number of New Equipment in 2024
DCCU (Dental Officer Specification)	2,973	89
DCCU (Dental Specialist Specification)	342	4
Portable Dental Unit	3,564	93

ORAL HEALTH DEVELOPMENT PROJECTS UNDER THE 12TH MALAYSIA PLAN

The Twelfth Malaysia Plan (12MP) is the five-year development plan for Malaysia which covers the year 2021-2025. The MOH will continue to improve people's health by providing universal access to quality healthcare through the development of healthcare facilities.

In year 2024, under the Fourth Rolling Plan (RP4), several oral health projects were approved as listed below:

- i. *Pusat Pakar Pergigian Perak;*
- ii. 30 Mobile Dental Teams for 14 states which include Sabah (4), Selangor (3), Sarawak (3), Terengganu (3), Johor (2), Pahang (2), Perak (2), Perlis (2), Wilayah Persekutuan Kuala Lumpur & Putrajaya (2), Melaka (2), Kelantan (2), Kedah (1), Negeri Sembilan (1) and Pulau Pinang (1); and
- iii. Eight (8) Mobile Dental Clinic which include Sabah (3), Wilayah Persekutuan Kuala Lumpur & Putrajaya (1), Pulau Pinang (1), Selangor (1), Perlis (1) and Johor (1)

Procurement of assets for all Mobile Dental Teams were completed in 2024 whereas procurement for Sabah state involving 12 portable dental unit (PDU) was being revoked. The procurement process of the Mobile Dental Clinics with two (2) Dental Chair Cum Unit will be continued in 2025 for all state except Melaka.

In addition, 8 development projects (new/upgrading facility) including 4 mobile dental clinics were completed in 2024 as following:

- i. Standalone Dental Clinics:
 - *Klinik Pergigian Tanjung Karang, Selangor;*
- ii. Dental Clinic in Hospitals:
 - *Hospital Dungun, Terengganu;*
 - *Hospital Wanita dan Kanak-kanak Hospital Kajang, Selangor;*
 - *Upgrading of Hospital Tawau, Sabah*
- iii. Dental Clinic in Health Clinics:
 - Dental Clinic in Health Clinics (Type 2) Bandaraya Miri, Sarawak
 - Dental Clinic in Health Clinics (Type 3) Kepala Batas, Kedah
 - Dental Clinic in Health Clinics (Type 3) Kota Putera, Terengganu
 - Dental Clinic in Health Clinics (Type 4) Rompin, Negeri Sembilan
- iv. Mobile Dental Clinics:
 - *Klinik Pergigian Bergerak Daerah Kuala Muda, Kedah*
 - *Klinik Pergigian Bergerak Daerah Raub, Pahang*
 - *Klinik Pergigian Bergerak Daerah Jeli, Kelantan*
 - *Klinik Pergigian Bergerak Daerah Bachok, Kelantan*

DEVELOPMENT PROJECTS UNDER PUBLIC PRIVATE PARTNERSHIP (PPP)

In addition to the projects under the Malaysia Plan, there are two (2) projects under the Public-Private Initiatives (PPP) scheme:

- i. Redevelopment of *Klinik Pergigian Cahaya Suria (Pusat Pakar Pergigian Kuala Lumpur)* at Menara Legasi Kampung Baru, Kuala Lumpur; and
- ii. Project 2 of *Institut Penyelidikan Kesihatan Bersepadu (IPKB) Complex (Land Swap of Klinik Pergigian Bangsar)* at Dental Clinic in Health Clinic (Type 2) Lembah Pantai, Kuala Lumpur.

None of these were completed in 2024.

PROCUREMENT OF MEDICAL AND NON-MEDICAL EQUIPMENT

In 2024, the Development Budget (BP00600 & BP01100) for procurement of new, replacement and upgrading of medical and non-medical equipment received by OHP MOH. The allocation budget as below (Table 5.4).

Table 5.4 Development Budget (BP00600 & BP01100) 2024

Development Budget (BP00600 & BP01100)	Budget Allocation (RM)
Procurement of 80 units of Dental Chair Cum Units (Officer)	7,272,664.00
Procurement of various medical equipment for 17 states / administrative centres	15,156,280.00
Total	22,428,944.00

The allocation spent for BP01100 was RM22,141,123.00 (99.9%) while for BP00600 was RM272,664.00 (100.0%).

HOSPITAL AND HEALTH CLINIC SUPPORT SERVICES OF BIOMEDICAL EQUIPMENT MANAGEMENT SERVICES (BEMS) – MEDICAL EQUIPMENT ENHANCEMENT TENURE (MEET) PROGRAMME

The monitoring activities for the implementation of the Medical Equipment Enhancement Tenure (MEET) Programme by Quantum Medical Solutions (QMS) at Health Clinics and Dental Clinics are conducted through MEET Technical Audit.

In year 2024, the National Audit Team audited dental clinic as followed:

- i. Dental Clinic in Health Clinic Bayan Lepas, Pulau Pinang
- ii. Dental Clinic in Health Clinic Simpang, Perak
- iii. Dental Clinic in Health Clinic Batu 14, Selangor
- iv. Dental Clinic in Health Clinic Tanglin, Kuala Lumpur
- v. Dental Clinic in Health Clinic Astana Raja, Negeri Sembilan
- vi. Dental Clinic in Health Clinic Tengkeru, Melaka
- vii. Dental Clinic in Health Clinic Bukit Liki Kulai, Johor
- viii. Dental Clinic in Health Clinic Batu Kawa, Sarawak
- ix. Dental Clinic Kepayan, Sabah

This activity was coordinated by MOH Engineering Services Division in collaboration with OHP MOH and the respective State Health Department.

OHP MOH had collected and analysed the biomedical data in preparation of Request For Proposal (RFP) for the Medical Equipment Enhancement Tenure 2.0 Programme (MEET 2.0) for the states of Perlis, Kedah, Pahang, Terengganu and Kelantan.

ORAL HEALTH FACILITY DEVELOPMENT AND MANAGEMENT COURSE

The Course of Strengthening the Implementation of Procurement Management for the Preparation of Specifications, Technical and Financial Components Under the Oral Health Program 2024 was carried out at Villea Hotel Morib, Selangor from 23 to 25 April 2024.

The course was aimed to improve officers' knowledge and understanding of the roles and responsibilities of the specification, technical and financial committees, explain the work process related to the preparation of detailed specifications, technical and financial; and to reduce issues caused by errors at the stage of preparing specifications, technical and financial **(Image 5.1)**. Among the contents of this course are lecture and question and answer sessions as well as a study visit to the *Klinik Pergigian* Teluk Panglima Garang, Selangor with the aim of learning and sharing experiences regarding the project to upgrade and improve dental health facilities.



Image 5.1 The Oral Health Facility Development and Management Course-Strengthening the Implementation of Procurement Management for the Preparation of Specifications, Technical and Financial Under the Oral Health Program 2024

Oral Health Technology Section



*From left to right :
Ms. Fauziah binti Jalalussayuti, Dr. Siti Nur Aliah binti Mohd
Rubae, Dr. Parveen a/p Thanabalen, Dr. Nurul Najah binti
Abu Bakar, Dr. Tebambigai a/p Mohanna, Dr. Mohd Zaid bin
Abdullah*

ORAL HEALTH TECHNOLOGY

Oral Health Technology Section is responsible for managing and conducting activities related to:

1. Development or review of Clinical Practice Guidelines.
2. Approved Products Purchase List (APPL); and
3. Health technology assessment including technology review; horizon scanning; activities related to Minamata Convention on Mercury; activities related to medical device registration under Medical Device Act 2012 [Act 737] for oral health technology or equipment as well as medicine used in oral health as listed in Ministry of Health Medicine Formulary (MOHMF).

The activities under this section also include systematic search for scientific evidence, collaboration with various agencies in formulating evidence-informed health decision making in ensuring safe, effective, and cost-effective technologies to be used in oral health services nationwide.

ORAL HEALTH RELATED CLINICAL PRACTICE GUIDELINES (CPG)

In 2024, a total of 13 Clinical Practice Guidelines (CPG) were published by Oral Health Programme and four (4) new CPG being developed. The status of the CPGs is as listed in **Table 6.1**.

Table 6.1 Clinical Practice Guidelines (CPG) Status as of 31 December 2024

No.	Title of CPG	Publication Year	Edition	Status
1.	Management of Unerupted and Impacted Third Molar	2021	Third	Current
2.	Management of Mandibular Condyle Fractures	2019	First	Current
3.	Management of Avulsed Permanent Anterior Teeth in Children	2019	Third	Current
4.	Management of Periodontal Abscess	2016	Second	Current
5.	Management of Acute Orofacial Infection of Odontogenic Origin in Children	2016	First	Current
6.	Management of Palatally Ectopic Canine	2016	Second	Current
7.	Management of Unerupted Maxillary Incisors	2015	Second	Current
8.	Management of Ameloblastoma	2015	First	Current
9.	Management of Chronic Periodontitis	2012	Second	Current

No.	Title of CPG	Publication Year	Edition	Status
10.	Management of Anterior Crossbite in Mixed Dentition	2023	Third	Current
11.	Management of Severe Early Childhood Caries	2012	Second	Current
12.	Management of Hypodontia	2023	Second	Current
13.	Antibiotic Prophylaxis in Oral Surgery for Prevention of Surgical Site Infection	2015	Second	Current
14.	Dental Implant Maintenance and Disease Prevention	-	-	New
15.	Oral Management in Patients undergoing Head and Neck Radiotherapy	-	-	New
16.	Orthodontic Management of Cleft Lip and Palate	-	-	New
17.	Management of Trigeminal Neuralgia	-	-	New

DEVELOPMENT OF CPG

In 2024, six (6) CPG Development Groups were actively gathered to review or develop the following CPG:

1. Management of Early Childhood Caries (3rd Edition)
2. Antibiotic Prophylaxis in Oral Surgery for Prevention of Surgical Site Infection (2nd Edition)
3. Dental Implant Maintenance for Prevention of Peri-Implant Disease
4. Oral Management in Patients undergoing Head and Neck Radiotherapy
5. Management of Non-Syndromic Cleft Lip and Palate
6. Oral Management of Trigeminal Neuralgia.

SYSTEMATIC REVIEW ON EVIDENCE-BASED CLINICAL PRACTICE GUIDELINES DEVELOPMENT COURSE

A course on systematic review for evidence-based CPG development was conducted at Pearl Hotel, Kuala Lumpur from 21 to 23 October 2024, facilitated by officers from Health Technology Assessment Unit (MaHTAS), MOH. The course aimed to guide participants on systematic article search, critical appraisal techniques, and the formulation of evidence tables. A total of 28 participants from various dental specialties attended the course.

TRAINING OF TRAINERS (TOT) SESSIONS FOR CPG

The Oral Health Technology Section conducted its first-ever Training of Trainers (ToT) sessions in 2024 for two Clinical Practice Guidelines, the Management of Anterior Crossbite in Mixed Dentition (3rd Edition) and the Management of Hypodontia (2nd Edition). The sessions were conducted on 28 February 2024 and 2 April 2024 at the Oral Health Programme (OHP) Headquarters in Putrajaya, involving specialists from all states and federal territories. Participants attended lectures, case discussions, and workshops focused on updates, diagnostics, treatment planning, and patient management. These sessions equipped specialists to implement the guidelines and conduct regional training, ensuring consistent and standardized dental care nationwide.



Image 6.1 Training of Trainers (ToT) Sessions

LAUNCHING CEREMONY FOR CPGS

The Oral Health Technology Section achieved a significant milestone on 22 October 2024, with the official launching of the Clinical Practice Guidelines for the Management of Anterior Crossbite in Mixed Dentition (3rd Edition) and the Management of Hypodontia (2nd Edition). The launch, held at Kuala Lumpur, was officiated by Dr. Fauziah binti Ahmad, representing Dr. Noormi binti Othman. The event was attended by various key stakeholders, including Directors and Deputy Directors of OHP, the Deputy Directors of State Health (Dental), the Deans of Dental Faculties, representatives from dental associations, Orthodontic Specialists, Restorative Dental Specialists, Family Medicine Specialists, as well as officers and staff from the OHP and the Medical Development Division of MOH. These guidelines were developed based on the latest evidence, demonstrating the ministry's commitment to high quality care, enhancing patient outcomes, standardizing dental practices, and addressing complex conditions like anterior crossbite and hypodontia.



Image 6.2 Launching Ceremony for Clinical Practice Guidelines

APPROVED PURCHASE PRICE LIST (APPL)

In 2024, the Oral Health Technology Section supported the Procurement and Privatisation Division MOH by providing input on the APPL (cycle 2023 – 2026). Activities included preparation of specifications, technical assessment of products, price negotiations, finalizing the product list and suppliers, and monitoring issues related to tendering companies. In 2024, a total of ten (10) dental products were finalised and one (1) is still on-going process for listing under the Approved Product Purchase List (APPL) (Table 6.2).

Table 6.2 Final List Of Dental Product Item in APPL (cycle 2023- 2026)

No.	Product Item	Packaging Description	Category of Product	Status
1.	Cotton wool rolls No. 2	Pack of 500 Rolls	Non-drug	Finalised
2.	Plaque Disclosing Dye	35ml gel or liquid packed individually in a box	Non-drug	Finalised
3.	Nitrile Gloves (size XS)	100 pcs per box. 10 boxes per carton	Non-drug	Finalised
4.	Nitrile Gloves (size S)	100 pcs per box. 10 boxes per carton	Non-drug	Finalised
5.	Nitrile Gloves (size M)	100 pcs per box. 10 boxes per carton	Non-drug	Finalised
6.	Nitrile Gloves (size L)	100 pcs per box. 10 boxes per carton	Non-drug	Finalised
7.	Dental Stone	Packed in a suitable sealed (POP in plastic bag) and air-tight plastic container of 10 kg	Non-drug	Finalised
8.	Dental Plaster of Paris (POP)	Packed in a suitable sealed (POP in plastic bag) and air-tight plastic container of 10 kg	Non-drug	Finalised

No.	Product Item	Packaging Description	Category of Product	Status
9.	Disposable Dental Hypodermic Needle 27G x (41-42) mm	Packed in a puncture proof plastic case. Each box contains 100 plastic cases	Non-drug	Finalised
10.	Disposable Dental Hypodermic Needle 27G x (21-23) mm	Packed in a puncture proof plastic case. Each box contains 100 plastic cases	Non-drug	Finalised
11.	Oral Ulcer Topical Gel	Packed in a sachet. Each box contains 100 sachets	Non-drug	On-going process for finalising

ORAL HEALTH TECHNOLOGY ASSESSMENT

HEALTH ECONOMIC EVALUATION

This section has initiated an evaluation project on the implementation of 3D Denture Technology (3DDT) in 10 dental clinics across Malaysia. The evaluation is currently underway, with initial briefings and the deployment of proformas and questionnaires conducted at four selected clinics: Klinik Pergigian Ulu Tiram (Johor Bahru, Johor), Klinik Pergigian Bandar Botanik (Klang, Selangor), Klinik Pergigian Kuala Lumpur (Kuala Lumpur), and Klinik Pergigian Kota Bharu (Kota Bharu, Kelantan). Data collection is ongoing and has not yet been completed.

The primary objectives of this initiative were to compare the efficiency, turnaround time, patient satisfaction, and overall outcomes between conventional denture fabrication methods and the 3DDT workflow. Additionally, the study aims to assess operational challenges, resource requirements, and acceptance levels among both providers and patients.

Another project is currently at the proposal stage. It aims to evaluate the cost and economic burden of orthodontic and restorative specialty treatments in Malaysia, focusing on the financial and resource-related aspects of oral healthcare service delivery from the provider's perspective. In 2024, the first phase of discussions and workshops with orthodontic specialists was held to refine data collection tools in preparation for full-scale implementation. The second phase, involving restorative specialists, is scheduled for 2025. Ultimately, the findings from this study will support evidence-based decision-making in resource allocation, operational sustainability, and cost-efficiency improvements—ensuring that oral healthcare services can optimize financial performance while maintaining high standards of care. This project will be presented as part of a Medical Research Grant (MRG) application to the National Institutes of Health (NIH) in February 2025, in preparation for registration with both the National Medical Research Register (NMRR) and the MRG submission process.

USE OF DENTAL AMALGAM IN MINISTRY OF HEALTH FACILITIES

Efforts continued to phase down the use of dental amalgam fillings in MOH facilities, with usage reduced to 2% by 2024. Initiatives included:

- Strengthening oral health prevention and promotion strategies
- Collaborating with stakeholders to develop sustainable strategies
- Limiting the use of dental amalgam to encapsulated forms and installing dental amalgam traps or filters
- Conducting research on mercury-free dental fillings materials

With regards to the amalgam usage in MOH dental facilities, **Figure 6.1** illustrates the amalgam fillings done in MOH dental facilities from 2016 - 2024. It was observed that there was a tremendous reduction from 18.39% in 2016 to 0.71% in 2024.

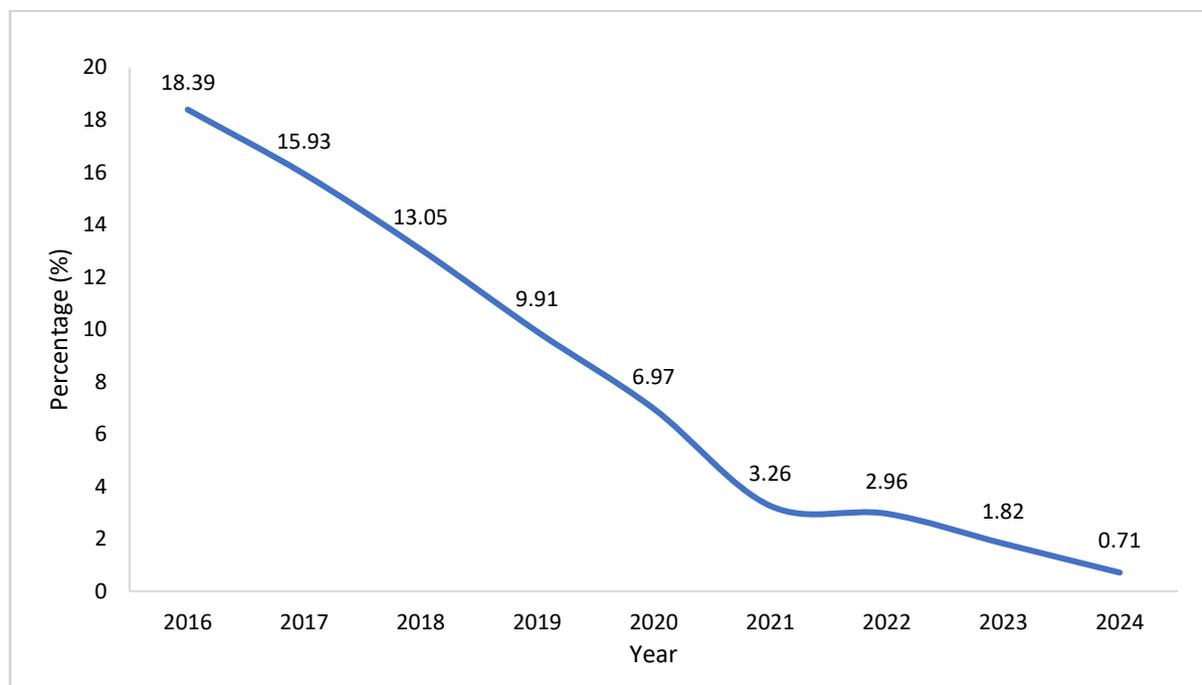


Figure 6.1 Amalgam Usage in MOH Dental Facilities 2016- 2024

STUDY ON PHASING DOWN DENTAL AMALGAM IN MINISTRY OF HEALTH MALAYSIA

1. Study on phasing down dental amalgam through tooth-coloured restorations in Malaysia

The proposed study in 2023 has been revised, and the new title is "Evaluating the Outcomes of Amalgam Phase-Down: Perception, Clinical Practice, and Economic Implications in Malaysia." The updated objectives are as follows:

- To assess the impact of time on the completion of the Ministry of Health (MOH) School Dental Service (SDS) programme following full implementation of tooth-coloured restorations.
- To evaluate the financial implications of replacing dental amalgam with tooth-coloured restorations.

- To examine the knowledge, perceptions, and practices related to the phase-out of amalgam among dental practitioners; and
- To explore awareness, practices, perceived acceptability, barriers, and enabling factors among oral healthcare workers in implementing tooth-coloured restorations during the phase-down of amalgam in the MOH.

Preliminary findings, expected by June 2025, indicate a positive shift towards mercury-free dental practices. This initiative supports MOH's strategy to reduce amalgam use.

2. Systematic Review and Meta-analysis of Safety, Effectiveness and Cost Effectiveness of Alternative Restorative Materials versus Dental Amalgam

This study was registered in 2024 (NMRR ID: 24-01954-D47). Its objective is to compare the safety, effectiveness, and cost-effectiveness of alternative restorative materials versus dental amalgam in the treatment of dental caries. The study aims to support the Ministry of Health's readiness for the full implementation of tooth-coloured restorations in line with efforts to phase down the use of dental amalgam in Malaysia. The research is currently in the meta-analysis stage.



Image 6.3 Team member of Systematic Review and Meta-analysis of Safety, Effectiveness and Cost Effectiveness of Alternative Restorative Materials versus Dental Amalgam

Oral Health Information Management Section



From left to right :

En. Mohd. Ridzwan bin Mansor, Dr. Mohammad Aimaan bin Abdul Latif, Dr. Peter Tan Shern Wei, Dr Mohd Shukri bin Talohah, En. Gauthama Dasa Edwin, Dr. Farah Hanani binti Amini Amir, Dr. Saiyida Athirah binti Abd Nasir, Dr. Nurul Ashikin binti Husin, Puan Norliyana binti Mustaffa, Dr. Mohammad Taqiyuddin bin Ramli, Dr. Muhammad Izyan bin Mohammad Yazed , Dr. Norizzuddin bin Norazman

ORAL HEALTH INFORMATION MANAGEMENT

EXPANSION OF DENTAL INFORMATION SYSTEM (DIS): CLINICAL SYSTEM IN PRIMARY ORAL HEALTH CARE SERVICE

From July to November 2024, a pilot implementation of the DIS: Clinical System was carried out in 12 primary dental clinics in Melaka as follows:

1. Klinik Pergigian Rembia
2. Klinik Pergigian Kuala Sg Baru
3. Klinik Pergigian Alor Gajah
4. Klinik Pergigian Simpang Ampat
5. Klinik Pergigian Sungai Udang
6. Klinik Pergigian Ayer Molek
7. Klinik Pergigian Batu Berendam
8. Klinik Pergigian Melaka Tengah
9. Klinik Pergigian Peringgit
10. Klinik Pergigian Tengkeru
11. Klinik Pergigian Umbai
12. Klinik Pergigian Simpang Bekoh

The scope of the project encompassed patient registration, dental charting, clinical documentation, and billing modules, along with access to clinical records across facilities. Subsequently, on 1 December 2024, the system was expanded to 18 primary dental clinics in Johor and an additional nine clinics in Melaka. Further expansion is planned for 2025, targeting another 16 primary dental clinics nationwide.



Image 7.1 Workshop on DIS: Clinical

GEOGRAPHIC INFORMATION SYSTEM (GIS) WORKSHOP

Geographic Information Systems (GIS) is a powerful tool used to store, analyze, and visualize spatial data, such as the location of dental clinics and various factors influencing access to dental services, in the form of interactive maps. A dedicated GIS workshop was held on 26 until 28 August 2024 at Santa Grand Signature Kuala Lumpur. It was conducted to provide comprehensive training to the Geospatial Committee on the use of ArcGIS software.

As a direct outcome of the training, three (3) interactive StoryMaps were successfully developed. These StoryMaps focused on the dental healthcare needs and service accessibility of three key population groups: pre-school children, school-aged children, and adults. The outputs serve as strategic tools to support data-driven planning, monitoring, and decision-making in the provision of oral healthcare services.



Image 7.2 Workshop on GIS

WEB BASED APPLICATION WORKSHOP

In the era of the digital revolution, the capacity to design and develop web-based applications has become increasingly essential in driving improvements in the efficiency, accessibility, and quality of oral health services. Recognising this need, a specialised workshop was conducted from 20 to 22 August 2024 at Mercure Kuala Lumpur Shaw Parade Hotel, aimed at enhancing digital competencies among dental officers and information technology (IT) personnel.

This workshop was specifically designed to equip participants with foundational knowledge and practical skills necessary to develop simple web-based systems tailored to their operational requirements. By adopting a hands-on, application-focused learning approach, the programme ensured that even individuals with minimal or no prior technical background could effectively understand and apply the principles of basic web development.



Image 7.3 Workshop on Web Based Application

THE DEVELOPMENT OF VIRTUAL DENTAL CONSULTATION SERVICE GUIDELINE

The Ministry of Health Malaysia (MOH) introduced the Virtual Dental Clinic service in 2022 as a Proof of Concept at selected dental clinics in Kuala Lumpur and Putrajaya. This service enables real-time, virtual dental consultations and treatment planning, offering an alternative to in-person outpatient care.

Aligned with the Pelan Strategik Pendigitalan 2021–2025, this service is now being expanded to more dental clinics equipped with ICT infrastructure. To guide this expansion, a comprehensive implementation guideline is being developed. The guideline was established to:

- Review and refine the existing guideline;
- Broaden the scope to include primary care, community dentistry, and dental specialties.

Two committee meetings were held in November and December 2024. The finalized guideline is expected to be published in fourth quarter of 2025, ensuring consistent, high-quality virtual dental services across MOH facilities.



Image 7.4 The Committee of Virtual Dental Consultation Service Guideline

THE DEVELOPMENT OF DENTAL CONSENT GUIDELINE

Under the Ministry of Health Malaysia, the process of obtaining consent for dental treatment is a standard practice, initiated at the dental clinic registration counter before a patient proceeds to the treatment area for an oral health examination.

To formalise and standardise this process, the Guideline for the Management of Dental Consent were first implemented on 23 December 2016, followed by two subsequent revisions, Second Edition (19 March 2019) and Third Edition (1 December 2019). The guideline serves as an essential reference to ensure ethical, legal, and professional standards are upheld in patient consent practices across MOH dental facilities.

In response to ongoing technological advancements and the evolving expectations of patients in the context of digital healthcare delivery, the Oral Health Programme has identified the need to review and enhance the current consent guideline. This effort aims to ensure that the guideline remain relevant, patient-centred, and in line with contemporary practices in healthcare delivery.

To initiate this process, a discussion session was convened on 29 August 2024. The objectives of the session were as follows:

1. To formally introduce committee members involved in the guideline review process;
2. To review the existing Guideline for the Management of Dental Consent (Amendment 3.0);
3. To deliberate on key issues and challenges pertaining to the current implementation of consent procedures in dental settings.

Insights and feedback gathered during the session will inform the drafting of the next amendment to the guidelines. The updated document will aim to strengthen patient autonomy, improve procedural clarity, and incorporate digital consent mechanisms where applicable.

The revised guidelines are expected to reflect current best practices and uphold the Ministry's commitment to safe, ethical, and patient-focused dental care.



Image 7.5 Discussion of the Dental Consent Management Committee

PREVENTIVE MAINTENANCE OF ICT HARDWARE ORAL HEALTH PROGRAMME, MINISTRY OF HEALTH

Preventive maintenance of desktops and laptops is a key element in supporting **office automation systems** within the Oral Health Programme. These efforts ensure the smooth functioning of administrative tasks, data management, reporting, and communication tools essential to daily operations.

Maintenance activities include the regular cleaning of hardware to prevent dust-related damage, updating operating systems and software applications, applying security patches, performing system diagnostics, and ensuring that antivirus protection is fully operational. Routine data backups and system performance optimizations are also conducted to enhance efficiency.

During the reporting period, a total of **15 desktop and laptop units** used for office automation purposes were successfully maintained. Looking ahead, it is expected that **46 units of desktops and laptops** will require preventive maintenance in **2025**, in line with the expanding digital infrastructure and increasing reliance on IT systems for administrative functions.

This proactive approach aims to prevent system failures, reduce downtime, and improve the reliability of digital infrastructure supporting administrative functions. By maintaining these IT assets effectively, the programme ensures uninterrupted access to office applications, protects sensitive operational data, and promotes efficient workflow management across all administrative levels.

DATA COLLECTION FOR HEALTH INFORMATION MANAGEMENT SYSTEM (HIMS) IN THE ORAL HEALTH PROGRAMME

Data collection for the Health Information Management System (HIMS) is carried out by the Oral Health Information Management Branch (**Table 7.1**). Once completed, the data will be submitted to the Health Informatics Centre for documentation and future use.

To ensure the data is accurate and reliable, a two-stage verification process is conducted. This involves checks by three key branches:

- Primary Dental Health Care Branch
- Specialist Dental Health Care Branch
- Community Dental Health Care Branch

Each branch reviews the data related to its area to ensure it is complete and correct.

This careful review process helps to ensure the information used for planning, monitoring, and decision-making is of high quality and can be trusted to support improvements in oral health services.

Table 7.1 Total Patient Attendance Record in 2024

Branch	New	Repeat
Primary Care	3,133,009	2,169,984
Oral & Maxillofacial Surgery	121,107	256,341
Paediatric Dentistry	62,379	112,554
Oral Pathology & Oral Medicine	5,874	115,26
Special Care Dentistry	5,713	7,733
Orthodontics	60,239	199,448
Periodontics	26,240	67,779
Restoratives	21,937	42,778
Outreach	5,877,668	1,512,844
Total	9,314,166	4,369,461

ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTHCARE DIVISION

- **Oral Health Promotion**
- **Primary Oral Healthcare**
- **Specialist Oral Healthcare**
- **Community Oral Healthcare**

Oral Health Promotion Section



*From left to right :
Ms. Haziah binti Hassan ,
Dr. Mohd. Noor Arif bin Adam,
Ms. Siti Zainaliza binti Hashim,
Dr. Nor Azra binti Hanaffi, Dr. Jamaliah binti Omar*

ORAL HEALTH PROMOTION

The Oral Health Programme under the Ministry of Health Malaysia (OHP MOH) promotes oral health promotion initiatives designed to empower the public in managing the factors that influences oral health. These efforts aim to enhance knowledge and awareness, build individual skills and capabilities, and foster positive changes in social and environmental conditions to improve the population's oral health. The oral health promotion initiatives implemented by the OHP MOH throughout 2024 include the following:

- i. *Kesihatan Oral Tanpa Amalan Merokok (KOTAK)*
- ii. Transformation With One Smile Together (TW1ST): Oral Health Promotion Activities for Community College Students
- iii. Oral Health Promotion Activities at Wellness Hub
- iv. Campaign for Annual Dental Check-Up or *Kempen Pemeriksaan Pergigian Sekurang-kurangnya Sekali Setahun (PEPS1S)*
- v. Oral Health Programme for Trainee Teachers (bGEMS)
- vi. Oral Health Promotion Activities through Social Media
- vii. *Latihan Memberus Gigi Berkesan (BEGIN)*
- viii. *Tooth Brushing Drills (TBD)*
- ix. *Ikon Gigi (iGG)*
- x. *Klinik Pergigian Mesra Promosi (KPMP)*
- xi. Celebration of World Oral Health Day (WOHD) 2024
- xii. Oral Health Promotion Activities at *Jelajah Agenda Nasional Malaysia Sihat (ANMS)*
- xiii. Oral Health Promotion Week or *Minggu Promosi Kesihatan Pergigian (MPKP)*
- xiv. *Kesihatan Oral dan Agama (KOA)*

WORKSHOPS

In addition to the initiatives mentioned above, four (4) workshops were successfully conducted in 2024 as part of OHP MOH's ongoing commitment to strengthen capacity building among dental personnels. These workshops aim to further enhance the ability of dental personnels to promote oral health by equipping them with the skills to effectively communicate information to the public.



Image 8.1 Bengkel Social Media Core Team Program Kesihatan Pergigian, 25 – 27 March 2024



Image 8.2 Bengkel Pembangunan Garis Panduan Cawangan Promosi Kesihatan Pergigian, 23 – 25 April 2024



Image 8.3 Bengkel Motivational Interviewing untuk Program KOTAK, 6 – 8 May 2024



Image 8.4 Bengkel Pemerkasaan Penyampaian Perkhidmatan Kesihatan Pergigian, 23 – 25 July 2024

JOM HEBOH CARNIVAL: COLLABORATION WITH MEDIA PRIMA BERHAD

In 2024, the Oral Health Programme under the Ministry of Health (MOH) actively participated in the Jom Heboh TV3 Carnivals, organized by Media Prima Berhad, across six (6) states—Federal Territory of Kuala Lumpur and Putrajaya, Melaka, Sarawak, Penang, Terengganu, and Johor. This initiative aimed to enhance public awareness of oral health among carnival visitors.

A wide range of engaging activities were carried out, including oral health screenings and basic dental treatments via the Mobile Dental Clinic, educational talks, exhibitions, flash mobs, musical tooth-brushing drills, stage performances, dental busker performances, and interactive games. These efforts successfully attracted a total of 30,584 visitors of all age groups—from children to senior citizens—with 4,465 individuals receiving dental health screenings.



Image 8.5 Activities Conducted in Jom Heboh TV3 Carnival

2024 NATIONAL DENTAL ICON CONVENTION

The 2024 National Dental Icon Convention (iGG) was successfully held on 27 and 28 September 2024 at Hotel Mudzaffar, Ayer Keroh, Melaka. The event brought together a total of 121 participants, consisting of 64 iGGs (Ikon Gigi) and 57 facilitators from across the country. The convention was officiated by YB Datuk Ngwe Hee Sem, Melaka State Executive Councillor for Health, Human Resources, and Unity. This convention served as a national platform for iGGs to share their experiences, showcase their initiatives, and foster collaboration with other agencies. It also aimed to recognize and appreciate the voluntary contributions made by these young dental ambassadors. Among the key activities conducted during the event were the iGG Adventure Competition, iGG OHSEM, and the Teaching Materials Innovation Competition.



Image 8.6 The National Level Ikon Gigi (iGG) Convention 2024

MOUTH CANCER AWARENESS MONTH (MCAM) 2024

The Closing Ceremony of Mouth Cancer Awareness Month (MCAM) took place on 25 February 2024 at Summer Mall, Kota Samarahan, Sarawak. The event was officiated by the Deputy Director General of Health (Oral Health) Ministry of Health Malaysia, Dr. Noormi binti Othman, on behalf of the Director General of Health, YBhg. Dato' Dr. Muhammad Radzi bin Abu Hassan.

A highlight of the ceremony was the launch of the MeMoSA (Mobile Mouth Screening Everywhere) pilot project, a smartphone application designed for oral cancer screening. This pilot initiative is currently being implemented in Sarawak by the Cancer Research Malaysia (CRM). The event also featured exhibitions from various external agencies and free oral health screenings provided using the mobile dental clinic by the Oral Health Division, Sarawak State Health Department.



Image 8.7 The Closing Ceremony for Mouth Cancer Awareness Month (MCAM)

KESIHATAN ORAL TANPA AMALAN ROKOK (KOTAK)

KOTAK is a school-based programme for prevention, early detection and intervention in tobacco use among school students, which was implemented since 2016.

SCREENING OF THE SCHOOLCHILDREN

In 2024, the coverage of smoking status screening among schoolchildren showed a notable improvement compared to previous years, with 4,581,906 out of 4,762,031 students successfully screened. The detailed breakdown of the screening data is presented in Table 8.1 below.

Table 8.1 Total of Primary and Secondary Schoolchildren Screened, 2024

School	Enrolment	Number of Schoolchildren Screened	Percentage (%)
Primary School	2,772,372	2,711,479	97.8
Secondary School	1,989,659	1,870,427	94.0
TOTAL	4,762,031	4,581,906	96.2

Figure 8.1 shows the trend of screening activities to identify smoking practices among schoolchildren since 2016.

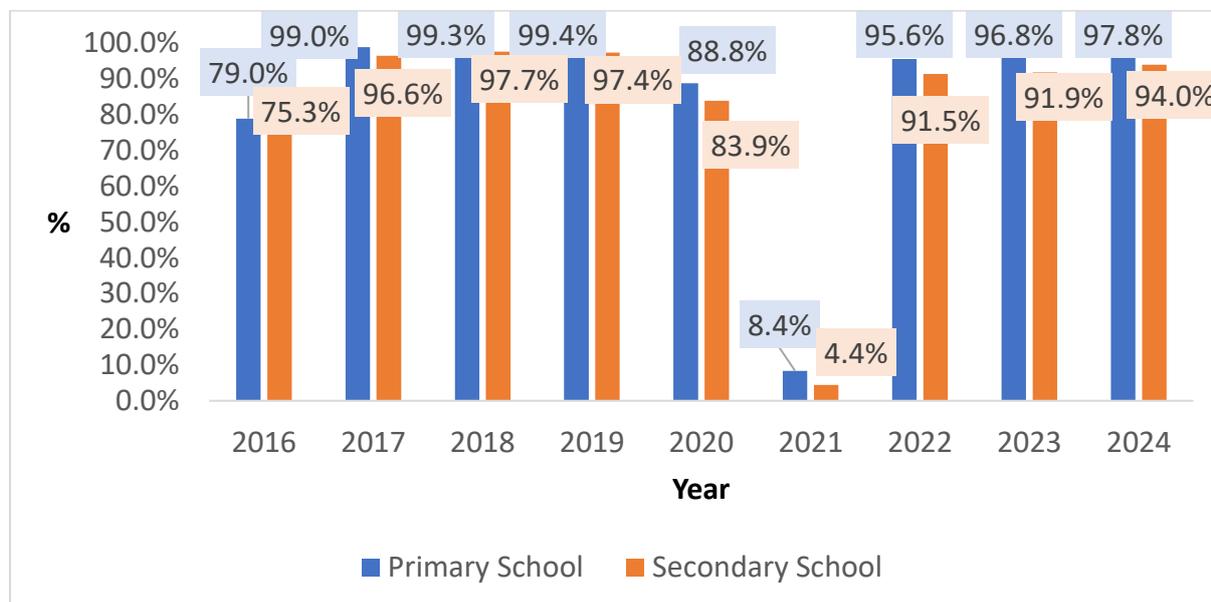


Figure 8.1 The Percentage of Primary and Secondary Schoolchildren Who Underwent Smoking Screenings, 2016 – 2024

DETECTION OF ACTIVE SMOKERS

Both groups of schoolchildren demonstrated an overall declining trend in the percentage of active smokers over the nine-year period (2016-2024).

Table 8.2 Number and Percentage of Active Smokers among Schoolchildren, 2016 – 2024

Year School	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number and percentage of active smokers in primary school	2,425 (0.11%)	1,671 (0.06%)	1,105 (0.04%)	1,249 (0.05%)	317 (0.03%)	12 (0.01%)	341 (0.02%)	429 (0.02%)	230 (0.01%)
Number and percentage of active smokers in secondary school	63,881 (4.07%)	72,888 (3.85%)	68,321 (3.66%)	63,763 (3.35%)	31,821 (3.46%)	974 (1.92%)	43,019 (3.25%)	45,180 (2.93%)	44,211 (2.36%)

The number of active smokers among schoolchildren in 2024, disaggregated by state, is presented in **Table 8.3**. The data indicates that Terengganu recorded the highest number of active smokers among primary schoolchildren, where as Sarawak reported the highest number among secondary schoolchildren.

Table 8.3 Active Smokers According to States, 2024

State	Primary School	Secondary School
Perlis	3	314
Kedah	10	2,508
Pulau Pinang	4	369
Perak	11	2,380
Selangor	23	3,652
FT Kuala Lumpur	4	963
FT Putrajaya	0	142
Negeri Sembilan	2	1,974
Melaka	4	1,473
Johor	6	3,941
Pahang	20	3,770
Terengganu	94	4,565
Kelantan	35	4,544
Sabah	12	4,112
Sarawak	1	9,298
FT Labuan	1	206
MALAYSIA	230	44,211

INTERVENTION FOR ACTIVE SMOKERS

Identified smokers will undergo smoking cessation counselling, with an emphasis on motivating them to quit smoking. The number of primary and secondary school students identified as active smokers who received intervention in 2024 is presented in **Table 8.4**.

Table 8.4 Number and Percentage of Active Smoker Who Underwent Intervention, 2024

State	Primary School		Secondary School	
	Active Smokers	Number and Percentage of Active Smokers Who Underwent Intervention (%)	Active Smokers	Number and Percentage of Active Smokers Who Underwent Intervention (%)
Perlis	3	3 (100)	314	295 (93.9)
Kedah	10	9 (90.0)	2,508	2,084 (83.1)
Pulau Pinang	4	4 (100)	369	266 (72.0)
Perak	11	9 (81.8)	2,380	2,226 (93.5)
Selangor	23	9 (39.1)	3,652	3,060 (83.7)
FT Kuala Lumpur	4	4 (100)	963	869 (90.2)
FT Putrajaya	0	0 (0)	142	112 (78.8)
Negeri Sembilan	2	1 (50.0)	1,974	1,885 (95.5)
Melaka	4	3 (75.0)	1,473	1,154 (78.3)
Johor	6	4 (66.6)	3,941	3,317 (84.1)
Pahang	20	17 (85.0)	3,770	3,320 (88.0)
Terengganu	94	94 (100)	4,565	4,319 (94.6)
Kelantan	35	33 (94.2)	4,544	4,178 (92.0)
Sabah	12	9 (75.0)	4,112	2,817 (68.5)
Sarawak	1	1 (100)	9,298	6,812 (73.2)
FT Labuan	1	1 (100)	206	156 (75.7)
MALAYSIA	230	201 (87.4)	44,211	36,870 (83.4)

In 2024, a total of 201 out of 230 primary schoolchildren whom identified as active smokers received intervention. Among them, 76.12% successfully set a quit date as part of their smoking cessation efforts (Table 8.5).

Table 8.5 Primary School Students Who Underwent Intervention and Had a Quit Date, 2024

State	Active Smokers	Number of Active Smokers Who Underwent Intervention	Had a Quit Date	Percentage (%)
Perlis	3	3	2	66.7
Kedah	10	9	2	22.2
Pulau Pinang	4	4	0	0
Perak	11	9	6	66.7
Selangor	23	9	1	11.1
FT Kuala Lumpur	4	4	1	25.0
FT Putrajaya	0	0	0	0
Negeri Sembilan	2	1	1	100
Melaka	4	3	3	100

State	Active Smokers	Number of Active Smokers Who Underwent Intervention	Had a Quit Date	Percentage (%)
Johor	6	4	3	75.0
Pahang	20	17	11	64.7
Terengganu	94	94	86	91.5
Kelantan	35	33	29	87.9
Sabah	12	9	7	77.8
Sarawak	1	1	1	100
FT Labuan	1	1	0	0
MALAYSIA	230	201	153	76.1

PRIMARY SCHOOLCHILDREN WHO SUCCESSFULLY QUIT SMOKING FOLLOWING INTERVENTION

Active smokers among primary schoolchildren were monitored for six months following smoking cessation interventions. For the year 2024, the outcomes of this follow-up are presented in **Table 8.6**. The data indicates that all identified primary school smokers in Kedah, Pulau Pinang, Perak, and the Federal Territory of Kuala Lumpur successfully quit smoking.

Table 8.6 Smokers among Primary Schoolchildren who Stopped Smoking, 2024

State	Number of Active Smokers Who Underwent Intervention	Number of Smokers Stopped Smoking	Percentage (%)
Perlis	0	0	0
Kedah	6	6	100
Pulau Pinang	1	1	100
Perak	1	1	100
Selangor	30	6	20.0
FT Putrajaya	0	0	0
FT Kuala Lumpur	3	3	100
Negeri Sembilan	2	1	50.0
Melaka	8	6	75.0
Johor	19	11	57.9
Pahang	13	8	61.5
Kelantan	80	49	61.3
Terengganu	110	71	64.6
Sabah	5	4	80.0
Sarawak	7	0	0
FT Labuan	0	0	0
MALAYSIA	285	167	58.6

TRANSFORMATION WITH ONE SMILE TOGETHER (TW1ST): ORAL HEALTH PROMOTION ACTIVITIES FOR COMMUNITY COLLEGE STUDENTS

The Community College Oral Health Programme, also known as TW1ST, is designed to enhance oral health knowledge and awareness among both students and staff of community colleges across Malaysia. This initiative supports the continuity of oral healthcare services from schoolchildren to young adults, with community college students identified as a key target group. In 2024, all 97 community colleges nationwide were involved in the programme, achieving 100% coverage for oral health education activities for young adults. Throughout the year, a total of 5,704 oral health activities were conducted involving 31,673 students (Table 8.7).

Table 8.7 Number of Community College Covered by State, Activities and Participants Involved in TW1ST Programme, 2024

State	Number of Community College	Number of Community College Covered	Number of Activities	Number of Participants
Perlis	1	1	1	72
Kedah	9	9	573	3,193
Pulau Pinang	6	6	217	2,548
Perak	13	13	1,124	4,300
Selangor	11	11	660	3,049
FT Kuala Lumpur & Putrajaya*	0	0	TB	TB
Negeri Sembilan	5	5	309	1,696
Melaka	6	6	75	1,495
Johor	12	12	1,336	3,835
Pahang	11	11	464	3,379
Terengganu	3	3	199	1,798
Kelantan	5	5	599	1,850
Sabah	8	8	77	2,949
Sarawak	7	7	70	1,509
FT Labuan*	0	0	TB	TB
MALAYSIA	97	97	5,704	31,673

*Federal Territory of Kuala Lumpur & Putrajaya and Federal Territory of Labuan do not have community college

ORAL HEALTH PROMOTION ACTIVITIES AT WELLNESS HUB

The Wellness Hub, an initiative under the Agenda Nasional Malaysia Sihat (ANMS), aims to broaden public access to wellness facilities and services. As part of this initiative, oral health promotion and educational activities are actively encouraged within these hubs. In 2024, oral health activities were implemented at 27 out of 28 wellness hubs across various states. A detailed record of the coverage and types of activities conducted is presented in **Table 8.8**.

Table 8.8 Number of Wellness Hub Covered by State, Activities and Participants Involved, 2024

State	Number of Wellness Hub	Number of Wellness Hub Covered	Number of Activities	Number of Participants
Perlis	1	1	228	35,324
Kedah	2	2	27	562
Pulau Pinang	3	3	30	740
Perak	1	1	22	1,706
Selangor	3	3	1,232	1,959
FT Kuala Lumpur & Putrajaya	1	1	5	242
Negeri Sembilan	2	2	1,213	4,675
Melaka	2	2	58	254
Johor	2	2	84	7,101
Pahang	2	2	138	1,108
Terengganu	2	2	33	2,034
Kelantan	1	1	6	177
Sabah	4	4	19	1,129
Sarawak	1	1	48	790
FT Labuan	1	0	0	0
MALAYSIA	28	27	3,143	57,801

CAMPAIGN FOR ANNUAL DENTAL CHECK-UP OR *KEMPEN PEMERIKSAAN PERGIGIAN SEKURANG-KURANGNYA SEKALI SETAHUN (PEPS1S)*

In 2024, PEPS1S survey was conducted to assess the percentage of clients who utilized public oral healthcare services for an annual dental check-up. The findings showed that 3,686 out of 5,680 (64.9%) respondents had attended a dental check-up at least once a year.

ORAL HEALTH PROGRAMME FOR TRAINEE TEACHERS (bGEMS)

This oral health promotion initiative is specifically designed for trainee teachers at Institut Pendidikan Guru Kampus (IPGK). The programme aims to empower future teachers with proper oral health knowledge and practices, enabling them to serve as positive role models, integrate oral health messages into daily teaching activities and contribute to the improvement of their future students' oral health status. In 2024, 96.3% of IPGK nationwide participated in the implementation of the oral health programme (Table 8.9).

Table 8.9 Number of IPGK Covered by State, Activities and Participants Involved, 2024

State	Number of IPGK	Number of IPGK Covered	Number of Activities	Number of Participants
Perlis	1	1	620	2,427
Kedah	2	2	8	1,007
Pulau Pinang	2	2	66	3,452
Perak	1	1	1,130	3,151
Selangor	1	1	25	1,533
FT Kuala Lumpur & Putrajaya	3	3	1,550	6,190
Negeri Sembilan	2	2	16	906
Melaka	1	1	26	898
Johor	2	2	471	4,129
Pahang	1	1	24	1,935
Terengganu	2	2	513	1,498
Kelantan	1	1	13	756
Sabah	4	3	2,427	4,190
Sarawak	4	4	96	4,105
FT Labuan*	TB	TB	TB	TB
MALAYSIA	27	26	6,982	36,177

*Federal Territory of Labuan does not have an IPGK

ORAL HEALTH PROMOTION ACTIVITIES THROUGH SOCIAL MEDIA

Oral health promotion and education via social media continued to be a key strategy for disseminating oral health messages to the public. According to the National Oral Health Survey for Adults (NOHSA) 2020, the majority of adults (30.5%) reported receiving oral health information through social media—more than from any other source. In 2024, there was an increase in the number of followers on both Oral Health Programme, Ministry of Health official Facebook and Instagram accounts, reflecting enhanced public engagement and outreach effectiveness (**Figure 8.2**).

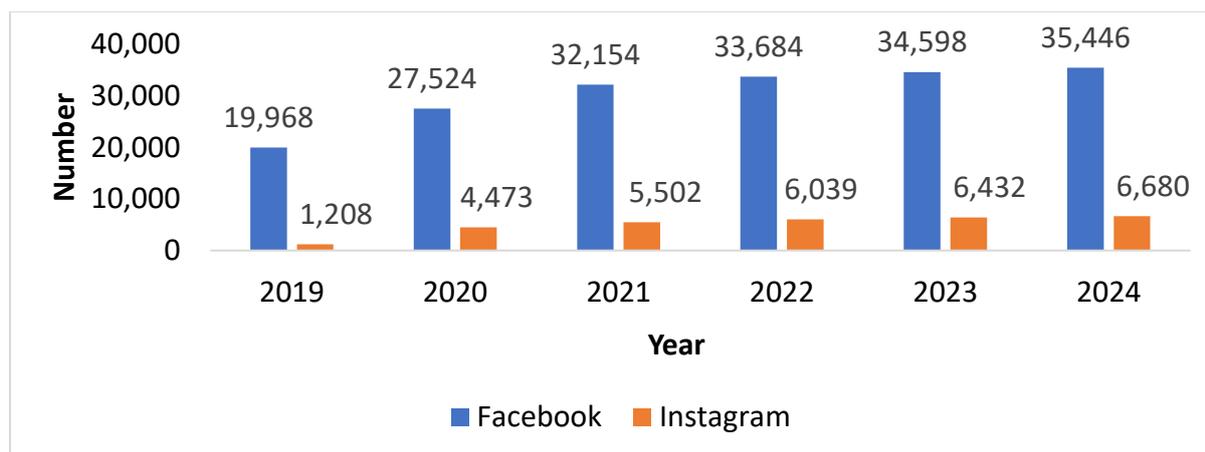


Figure 8.2 Trend in the Number of Followers on OHP MOH Official Social Media Accounts

The total number of oral health education materials produced and uploaded to the official social media accounts of the Oral Health Programme, Ministry of Health in 2024 is as shown in **Table 8.10**.

Table 8.10 Number of OHE Materials Produced and Uploaded, 2024

Types of OHE Material	Number of OHE Materials
Poster/ Infographic	41
Short Video	49
Total	90

Each state’s Oral Health Division managed its own official social media account. The total number of OHE materials produced and uploaded to all states throughout the year is shown in **Figure 8.3**, totaling 1,033 materials.

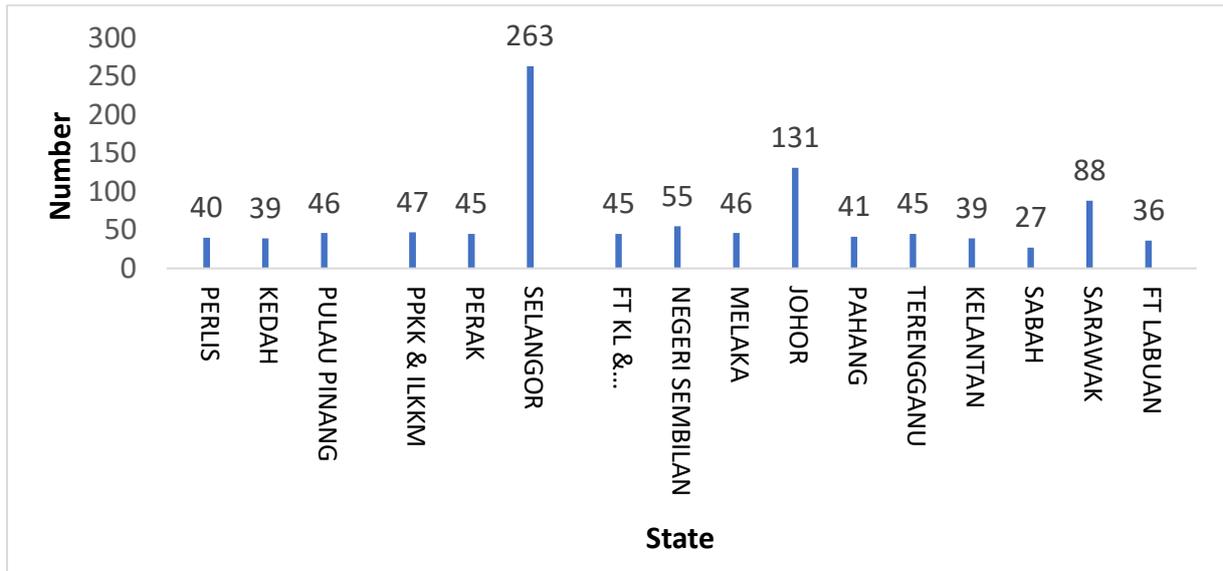


Figure 8.3 Number of OHE Materials Disseminated through State Oral Health Division Official Social Media Accounts, 2024

LATIHAN MEMBERUS GIGI BERKESAN (BEGIN)

BEGIN is an oral health promotion initiative aimed at encouraging and instilling proper tooth brushing habits among children from an early age. The programme focuses on promoting effective dental plaque control and cultivating a positive attitude towards oral health during early childhood. A key performance indicator for monitoring the implementation of the BEGIN programme is the percentage of healthcare facilities actively conducting the initiative.

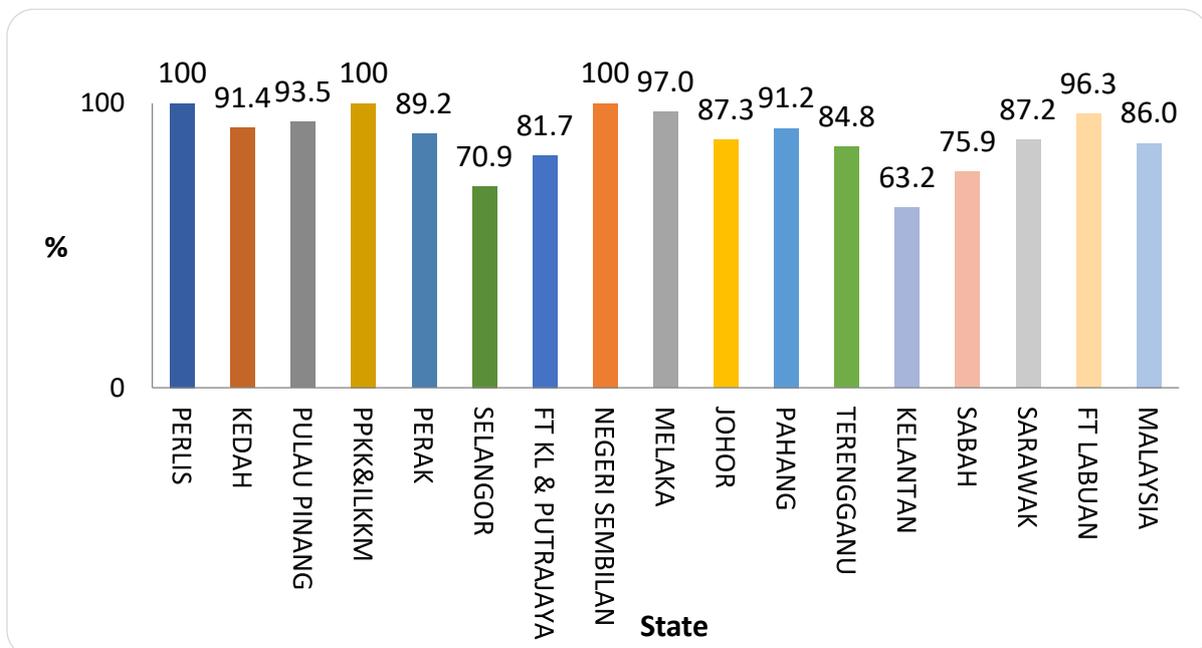


Figure 8.4 Percentage of TASKA Implementing BEGIN According to States, 2024

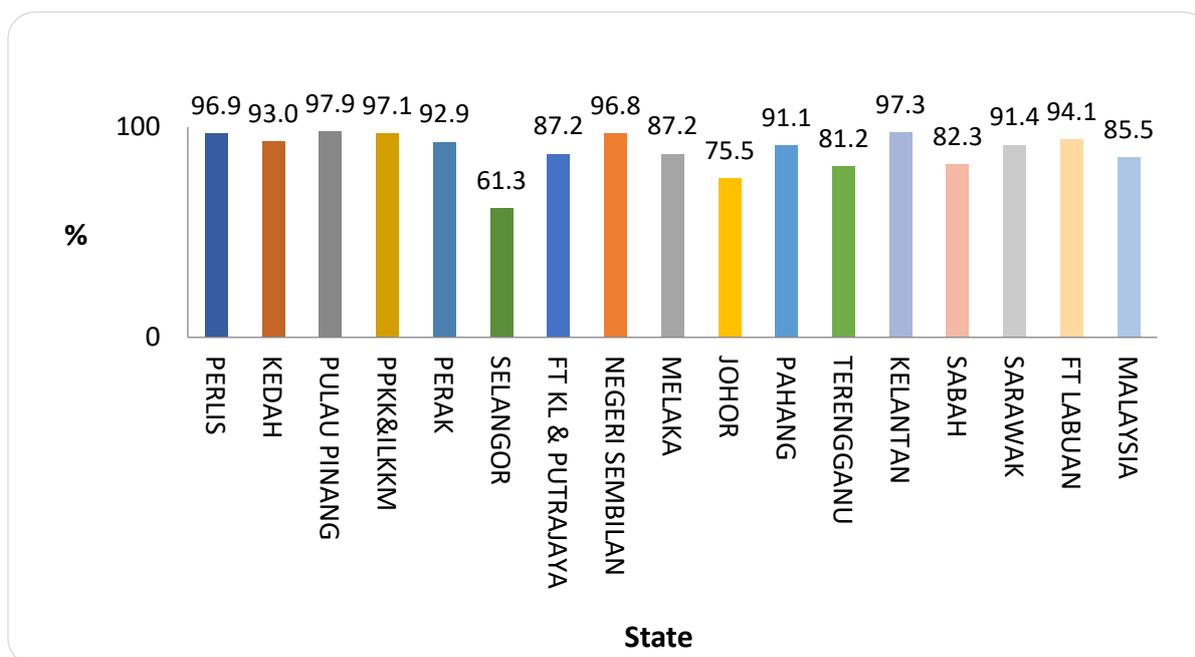


Figure 8.5 Percentage of Preschool and Primary School Implementing BEGIN According to States, 2024

Table 8.11 Number of Facilities Implement BEGIN According to States, 2024

State / Institution	TASKA		Preschool & Primary School	
	Number of Facility Implement BEGIN	Total Facility	Number of Facility Implement BEGIN	Total Facility
Perlis	60	60	403	416
Kedah	148	162	2,063	2,219
Pulau Pinang	101	108	1,055	1,078
Perak	240	269	2,761	2,972
PPKK & ILKMM	6	6	33	34
FT Kuala Lumpur & Putrajaya	152	186	740	849
Selangor	353	498	1,970	3,212
Negeri Sembilan	85	85	1,226	1,266
Melaka	159	164	903	1,036
Johor	233	267	2,727	3,613
Pahang	198	217	1,990	2,185
Terengganu	173	204	1,589	1,957

State / Institution	TASKA		Preschool & Primary School	
	Number of Facility Implement BEGIN	Total Facility	Number of Facility Implement BEGIN	Total Facility
Kelantan	226	230	2,054	2,111
Sabah	208	274	2,880	3,498
Sarawak	123	141	3,373	3,689
FT Labuan	26	27	96	102
MALAYSIA	2,491	2,898	25,863	30,237

TOOTH BRUSHING DRILLS (TBD)

In 2024, daily Tooth Brushing Drill (TBD) activities were implemented in 46.7% of government facilities, including preschools, TASKA, and Tadika, while 41.37% of private facilities also conducted daily TBD sessions as part of effective and doable dental plaque control practices (Figure 8.6 and Figure 8.7).

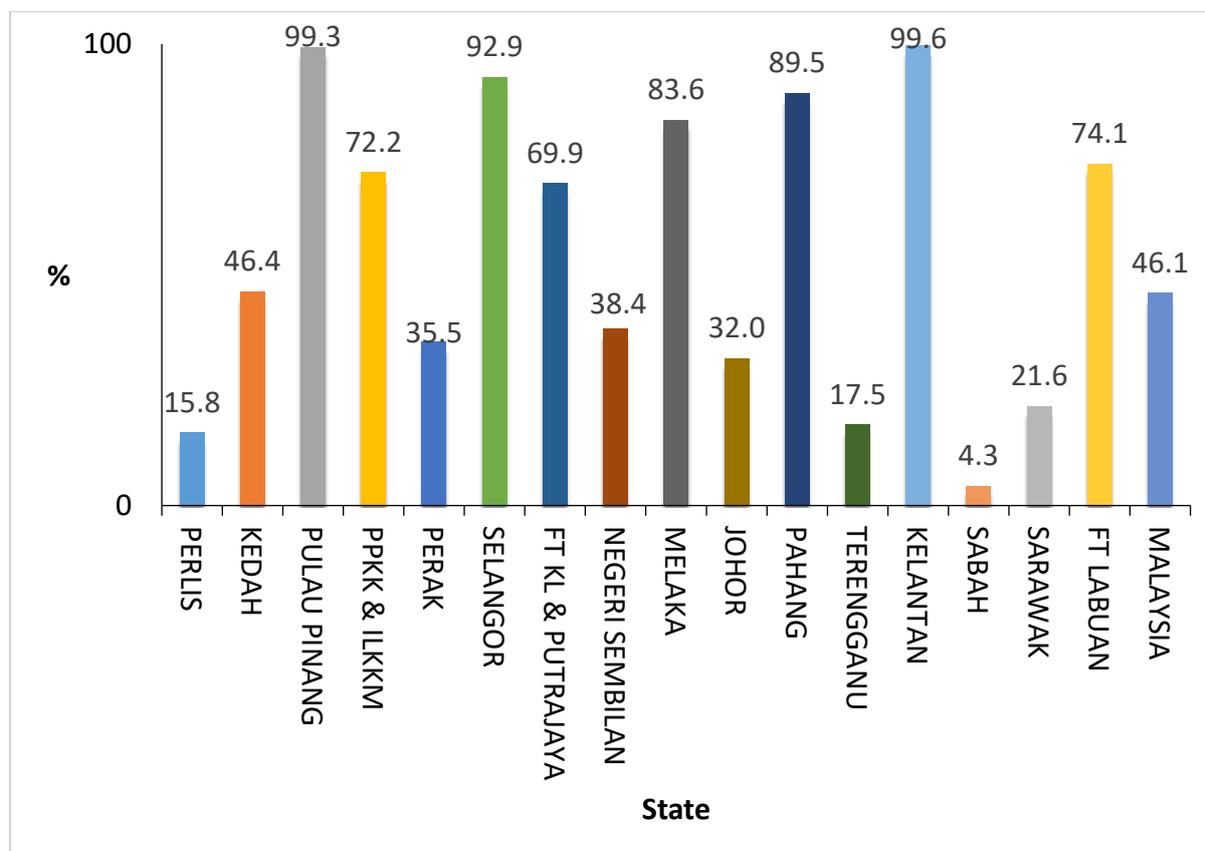


Figure 8.6 Percentage of Government Preschool / TASKA / TADIKA implement daily TBD by States, 2024

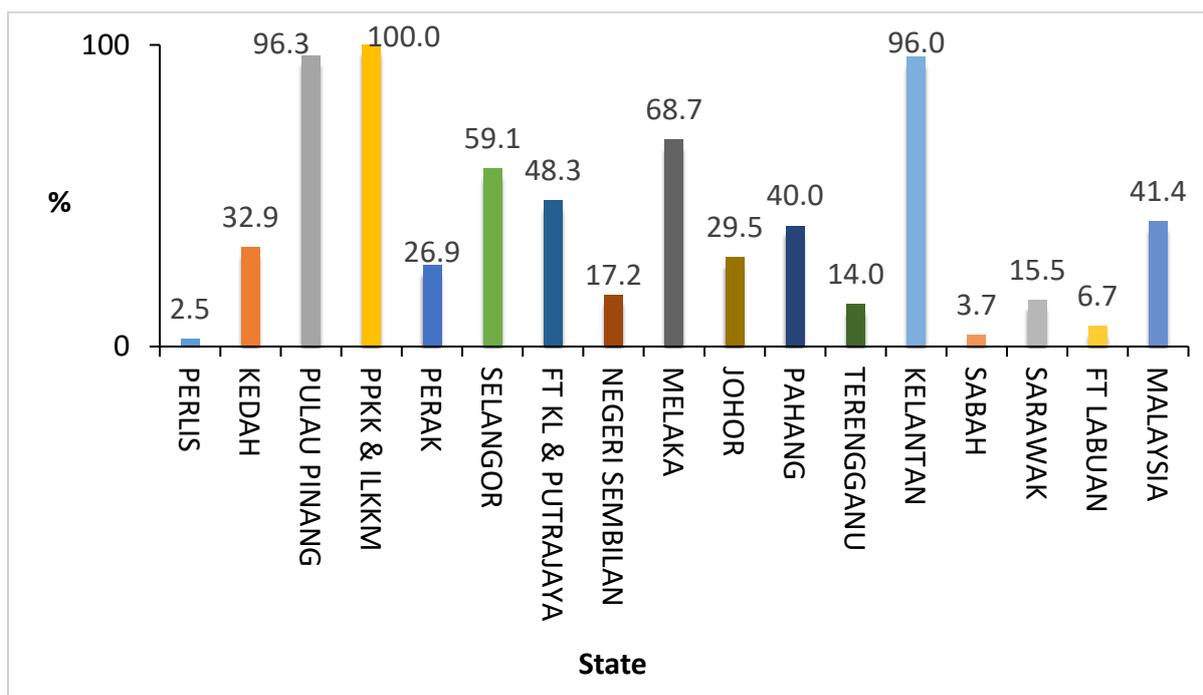


Figure 8.7 Percentage of Private Preschool / TASKA / TADIKA implement daily TBID by States, 2024

IKON GIGI (iGG)

The iGG programme is a volunteer-based initiative introduced to enhance community involvement in oral health promotion activities. Its primary objective is to educate the public on the importance of oral health, with the aim of increasing awareness and encouraging self-care practices. This empowerment programme employs a peer-to-peer approach to effectively disseminate oral health information within the community. From 2016 to 2021, the number of newly appointed iGG volunteers increased significantly, rising from 32 to 423. However, a downward trend was observed thereafter, with the number decreasing from 303 in 2022 to 225 in 2023. In 2024, there was another noticeable uptick, reaching a total of 2,038 iGG appointed nationwide (Table 8.12).

Table 8.12 Number of iGG in Malaysia, 2016 to 2024

Year	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of Existing iGG	0	32	261	389	522	736	1,159	1,462	1,687
Number of Newly Appointed iGG	32	229	128	133	214	423	303	225	351
Total Number of iGG	32	261	389	522	736	1,159	1,462	1,687	2,038

There were 2,038 iGG in 2024, but only 972 (about 47.7%) were recorded as actively engaged in the programme (**Table 8.13**).

Table 8.13 Number dan Percentage of Active iGG by States, 2016 to 2024

State	Total Number of iGG by State	Number of Active iGG	Percentage (%)
Perlis	67	38	56.7
Kedah	302	146	48.3
Pulau Pinang	60	29	48.3
Perak	279	73	26.2
Selangor	217	81	37.3
FT Kuala Lumpur & Putrajaya	147	29	19.7
Negeri Sembilan	108	72	66.7
Melaka	77	48	62.3
Johor	173	118	68.2
Pahang	176	92	52.3
Terengganu	110	49	44.5
Kelantan	118	60	50.8
Sabah	105	78	74.3
Sarawak	88	51	58.0
FT Labuan	11	8	72.7
MALAYSIA	2,038	972	47.7

To ensure the active participation of iGG, the State Oral Health Division implemented additional measures by engaging them more actively in oral health promotion activities. To monitor the effectiveness of these efforts, a Key Performance Indicator (KPI) was introduced: “Percentage of Districts/Divisions/Areas/Zones that Carry Out at Least Five Activities Involving the Ikon Gigi (iGG) Within a Year. In 2024, the target of $\geq 75\%$ was successfully achieved, with 100% of districts, divisions, areas, and zones conducting at least five iGG-related activities.

KLINIK PERGIGIAN MESRA PROMOSI (KPMP)

KPMP is an existing primary dental clinic focusing and actively conduct oral health promotion and education activities aimed to improve patients’ oral health status through oral health promotion, oral health education and prevention of oral diseases. As of December 2024, a total of 99 dental clinics across the country have implemented KPMP components (**Figure 8.8**).

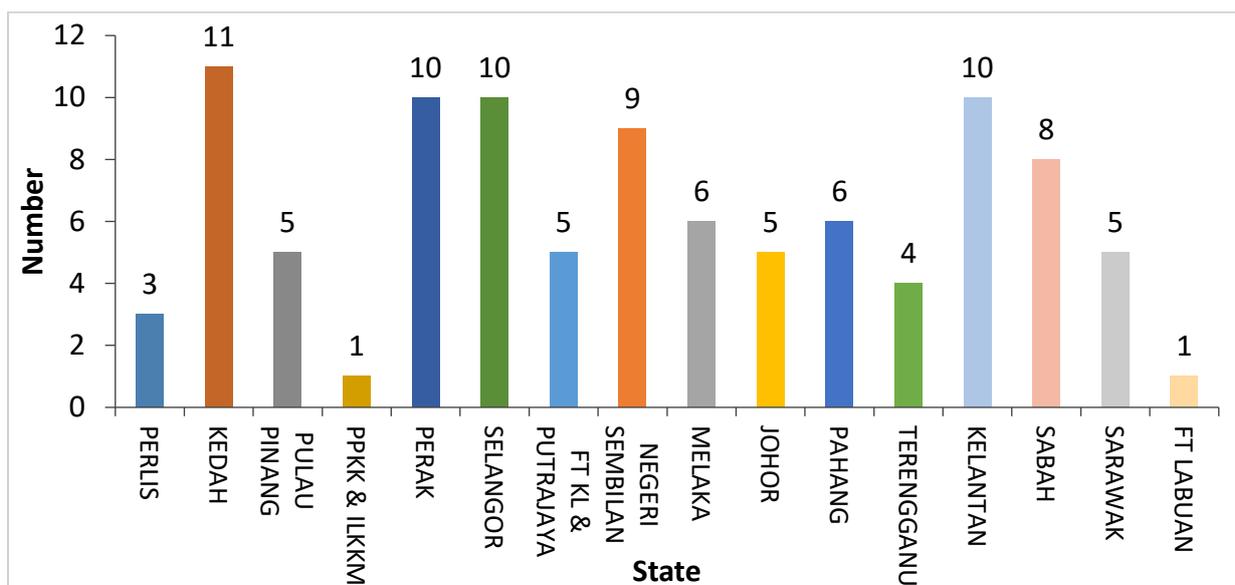


Figure 8.8 Number of KPMP by States, 2024

CELEBRATION OF WORLD ORAL HEALTH DAY (WOHD) 2024

World Oral Health Day (WOHD) 2024 was celebrated from 7 to 10 March at Sunway Velocity Mall under the theme “Happy Mouth is a Happy Body.” The event was made possible through strategic collaboration with several key agencies, including the Malaysian Dental Association (MDA), the Dental Service of the Malaysian Armed Forces (DSMAF), the Malaysian Dental Students' Association (MDSA), the Malaysian Dental Dean’s Council and other private sectors. Throughout the celebration week, a total of 14,023 oral health activities were conducted, engaging 125,408 participants nationwide (Table 8.14).

Table 8.14 Number of Activities and Participants During Celebration of WOHD by States, 2024

State / Institution	Number of Activities	Number of Participants
Perlis	4	11,691
Kedah	496	6,137
Pulau Pinang	457	3,927
PPKK & ILKKM	56	566
Perak	3,449	6,454
Selangor	594	9,671
FT Kuala Lumpur	56	4,915
FT Putrajaya	5,052	11,563
Negeri Sembilan	51	1,187
Melaka	946	8,044
Johor	78	26,478
Pahang	284	2,838

State / Institution	Number of Activities	Number of Participants
Terengganu	1,570	14,911
Kelantan	275	3,090
Sabah	474	8,898
Sarawak	77	3,649
FT Labuan	104	1,389
MALAYSIA	14,023	125,408

ORAL HEALTH PROMOTION ACTIVITIES AT *JELAJAH AGENDA NASIONAL MALAYSIA SIHAT (ANMS)*

The Malaysian National Health Agenda roadshow, known as Jelajah ANMS, was launched to promote the Agenda Nasional Malaysia Sihat (ANMS) to the public. The Oral Health Programme Ministry of Health actively supported this initiative by conducting a range of oral health promotion and education activities, including oral health screenings. In 2024, a total of 9,835 oral health-related activities were conducted across 347 Jelajah ANMS events, engaging 70,902 participants nationwide (Table 8.15).

Table 8.15 Number of Activities and Participants at *Jelajah ANMS* by States, 2024

State	Number of Jelajah ANMS Organised by the State Health Department	Number of Activities	Number of Participants	Number of Participants Who Underwent Dental Check Up
Perlis	2	807	879	228
Kedah	20	1,169	3,104	674
Pulau Pinang	15	881	4,860	1,233
Perak	10	1,080	4,085	1,087
Selangor	18	3,510	9,251	3,362
FT KL & Putrajaya	1	450	450	197
Negeri Sembilan	10	135	6,842	1,531
Melaka	1	13	3,168	488
Johor	172	667	13,016	4,733
Pahang	10	11	3,320	500
Terengganu	8	61	2,055	538
Kelantan	16	28	2,548	592
Sabah	27	454	5,163	2,039
Sarawak	36	564	11,183	1,494
FT Labuan	1	5	300	259
MALAYSIA	347	9,835	70,902	19,169

ORAL HEALTH PROMOTION WEEK OR *MINGGU PROMOSI KESIHATAN PERGIGIAN (MPKP)*

Minggu Promosi Kesihatan Pergigian (MPKP) is an initiative by the Oral Health Programme, Ministry of Health Malaysia (OHP MOH) aim to increasing public awareness on oral health through a series of promotional and educational activities. Launched in 2018, the initiative features a dedicated week of nationwide events focused on oral health education and awareness. In 2024, MPKP was successfully conducted from 15 to 21 July under the theme “1...2...3... Senyum...Jaga Gigi Senyuman Abadi.”

Throughout the week, a wide range of activities were carried out at dental facilities nationwide, including oral health talks, interactive games, informal discussions, puppet shows, and other community engagement activities. These efforts aimed to promote oral disease prevention through self-care, community empowerment, and early screening. A total of 59,988 activities were conducted during MPKP 2024, reaching 360,979 participants nationwide (**Table 8.16**).

Table 8.16 Number of Activities and Participants in the MPKP According to States, 2024

State / Institution	Number of Activities	Number of Participants
Perlis	1,107	7,649
Kedah	3,162	24,064
Pulau Pinang	5,669	35,078
PPKK & ILKKM	8	980
Perak	9,381	26,513
Selangor	8,310	24,571
FT Kuala Lumpur	3,477	23,340
FT Putrajaya	19,175	40,644
Negeri Sembilan	1,304	8,272
Melaka	771	21,458
Johor	2,261	22,864
Pahang	1,324	11,647
Terengganu	1,029	32,819
Kelantan	1,356	20,489
Sabah	1,036	24,340
Sarawak	594	32,958
FT Labuan	24	3,293
MALAYSIA	59,988	360,979

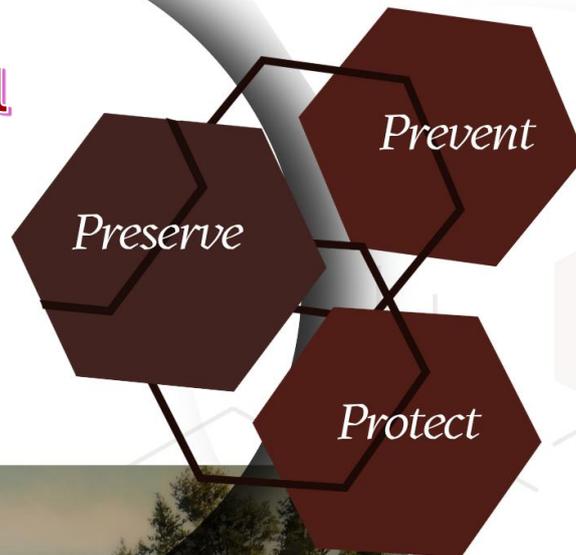
KESIHATAN ORAL DAN AGAMA (KOA)

KOA is a collaborative initiative between the OHP MOH and various religious institutions across the country. This initiative aims to disseminate oral health messages through religious activities, increase awareness, and promote positive oral health practices among participants. In 2024, a total of 14,195 activities were conducted involving 79,570 participants (Table 8.17).

Table 8.17 Number of Activities and Participants in KOA Programme, 2024

State	Number of Activities	Number of Participants
Perlis	320	1,471
Kedah	42	5,188
Pulau Pinang	957	5,200
Perak	2,892	10,239
Selangor	2,122	5,469
FT Kuala Lumpur	8,180	51,568
FT Putrajaya	928	3,333
Negeri Sembilan	1,388	3,867
Melaka	641	2,182
Johor	578	3,165
Pahang	1,584	11,643
Terengganu	983	11,059
Kelantan	805	8,095
Sabah	350	5,128
Sarawak	233	2,361
FT Labuan	33	75
MALAYSIA	14,195	79,570

Primary Oral Healthcare Section



*From left to right :
Dr. Siti Masnira binti Jamian, Dr. Lily Laura binti Azmi,
Ms. Noormalia binti Harun*

PRIMARY ORAL HEALTHCARE

The OHP MOH is dedicated to ensuring equitable access to oral healthcare for all Malaysians, encompassing all age groups, socioeconomic backgrounds, and individuals with special needs. The OHP MOH provides a range of services to all age groups, including:

- i. Infants and children (0 to 4 years old)
- ii. Preschool children (5 to 6 years old)
- iii. School children (7 to 17 years old)
- iv. Special needs population
- v. Antenatal mothers
- vi. Adults (18 to 59 years old)
- vii. The elderly (60 years and above)

Overall, the utilization of MOH’s primary oral healthcare services continued to increase from 2023 to 2024. As illustrated in **Figure 9.1**, there has been a steady rise in the percentage of the population using these services across all target groups. This growth is likely attributed to factors such as increased oral health awareness, improved access to dental care, and the expansion of the OHP MOH.

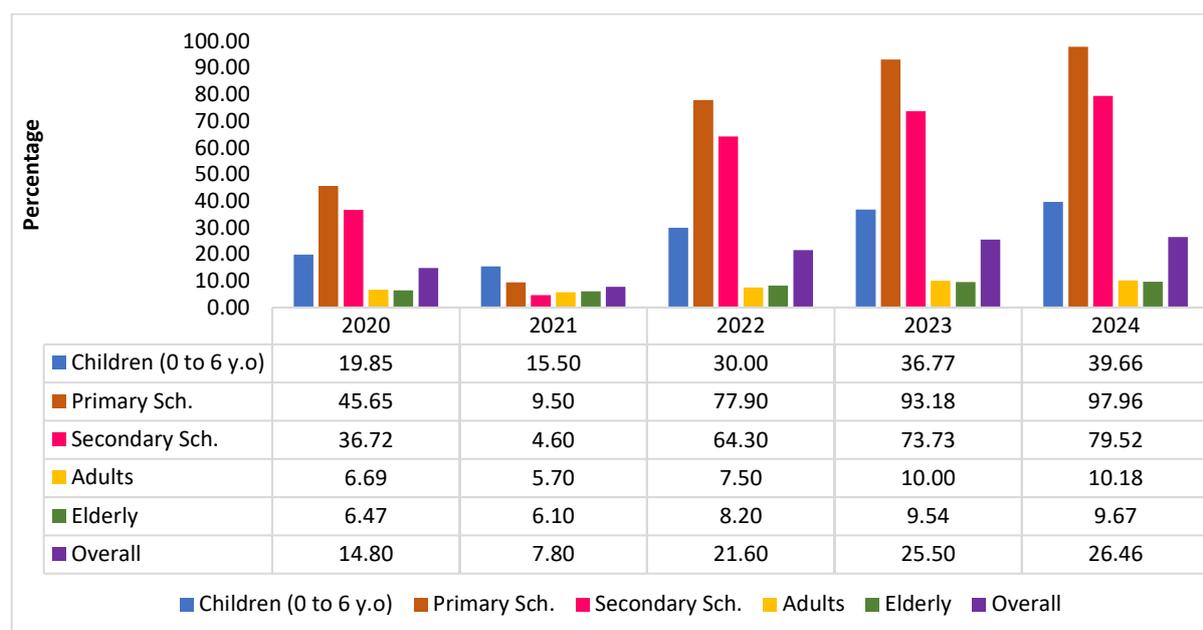


Figure 9.1 Percentage Utilisation of Primary Oral Healthcare Services, MOH 2020 - 2024

The utilization of Ministry of Health (MOH) primary oral healthcare services, by target group, from 2020 to 2024, is detailed in **Table 9.1**.

Table 9.1 Utilisation of Primary Oral Healthcare Services by Category of Patients, 2020 – 2024

Year	Preschool	Primary School	Secondary School	Adults	Elderly	Overall
2020	710,199	1,376,852	974,604	1,331,228	226,471	4,847,085
2021	553,704	287,975	121,466	1,133,934	212,200	2,541,346
2022	1,027,332	2,433,888	1,579,868	1,441,410	287,423	7,047,808
2023	1,243,208	2,900,879	1,946,615	2,046,727	359,535	8,496,964
2024	1,343,733	3,044,483	2,106,336	2,134,255	381,865	9,010,672

Note: Preschool refers to 0 to 6 years old

ORAL HEALTHCARE FOR TODDLERS

In 2024, 565,926 toddlers (23.98%) received primary oral healthcare services, representing a 3.0% increase from 2023, as detailed in **Table 9.2**. In addition to clinical dental examinations, the 'lift-the-lip' technique is utilized to assess toddlers' oral health in outreach settings like childcare centres and Maternal and Child Health Clinics.

Table 9.2 Coverage of Toddlers, 2020 – 2024

Year	Toddlers Estimated Population (0-4 Years Old)	No. of Toddlers Examined	Percentage of Toddlers Examined (%)
2020	2,542,000	285,951	11.25
2021	2,542,000	344,236	13.54
2022	2,387,300	396,968	16.63
2023	2,345,800	485,003	20.68
2024	2,360,100	565,926	23.98

Pahang had the highest percentage of toddlers receiving oral healthcare services in 2024, at 49.71% (**Figure 9.2**). Perlis recorded the second highest coverage, with 47.53% of its toddlers receiving oral health examinations.

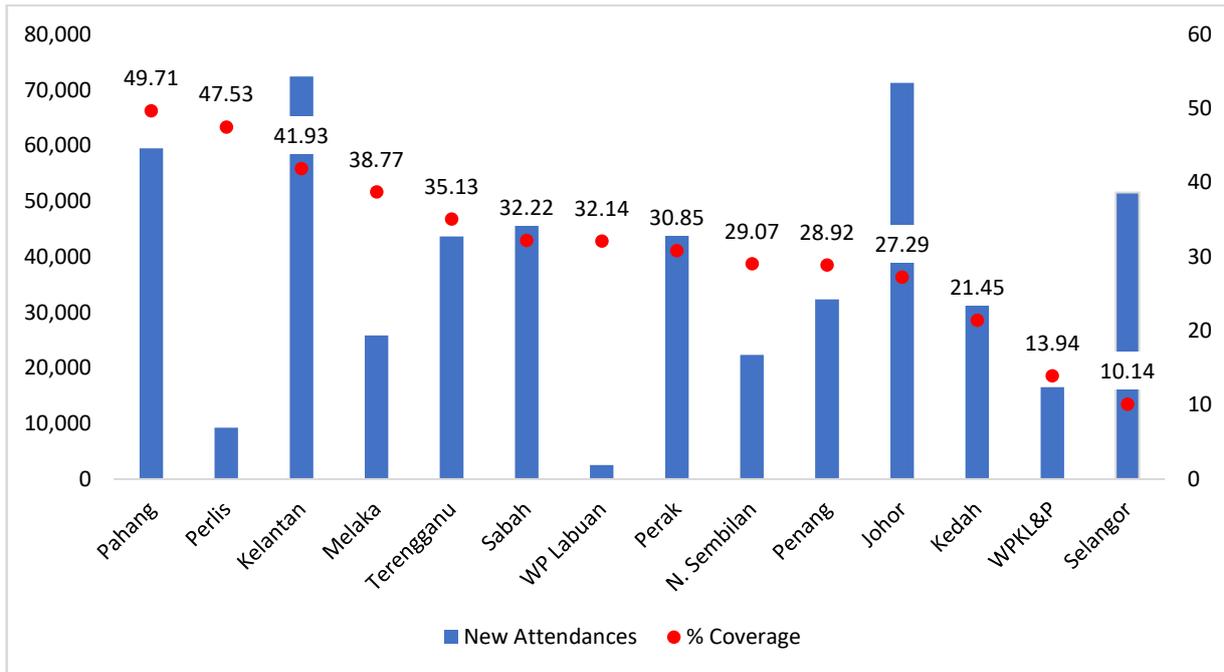


Figure 9.2 Toddlers Receiving Primary Oral Healthcare Services by State, 2024

The observed increment in oral healthcare coverage for toddlers was significantly supported by collaborative efforts initiated by the MOH with external agencies and stakeholders since 2021. This initiative focused on improving oral healthcare services for toddlers, and its implementation involved a broad range of partners, such as private dental practitioners, the Malaysian Dental Association, public and private universities, the Social Welfare Department, Persatuan Pengasuh TASKA, the Malaysian Armed Forces, and industry players (**Images 9.1 and 9.2**).

The *Garis Panduan Perkhidmatan Kesihatan Pergigian Toddler: Kolaborasi Bersama Agensi Luar* (G-TOD) outline the roles and responsibilities of all stakeholders and provide a framework for delivering high-quality oral healthcare to toddlers.



Image 9.1 Dental Practitioners Visit to a Private TASKA



Image 9.2 Memorandum Of Understanding (Mou) Signing Between External Agencies With Bahagian Kesihatan Pergigian Selangor

To enhance toddler oral healthcare, 339 external agencies participated in training and collaborative discussions with state governments in 2024. Main key achievement was the completion of biannual visits to private TASKA by 163 agencies, representing a substantial increase from the 124 agencies involved in 2023.

A positive development in Malaysia's toddler oral healthcare is this public-private partnership initiative. It is projected to have a lasting positive influence on oral health, leading to improved quality of life for the future population.

ORAL HEALTHCARE FOR ANTENATAL MOTHERS

Oral healthcare providers are consistently implementing strategies to improve oral health knowledge and awareness among antenatal mothers. Recognizing their role as family agents of change, it's crucial to ensure they receive effective oral health information and achieve oral fitness, enabling them to instil positive habits in their children and families. Continuous referrals from MOH Maternal and Child Health Clinics and health clinics aim to provide all antenatal mothers with optimal oral healthcare and education. **Figure 9.3** illustrates the oral healthcare coverage for antenatal mothers referred from MOH clinics. A slight decrease in coverage trends was observed in 2023 due to revised definition of new attendance for antenatal mothers at oral healthcare MOH facilities.

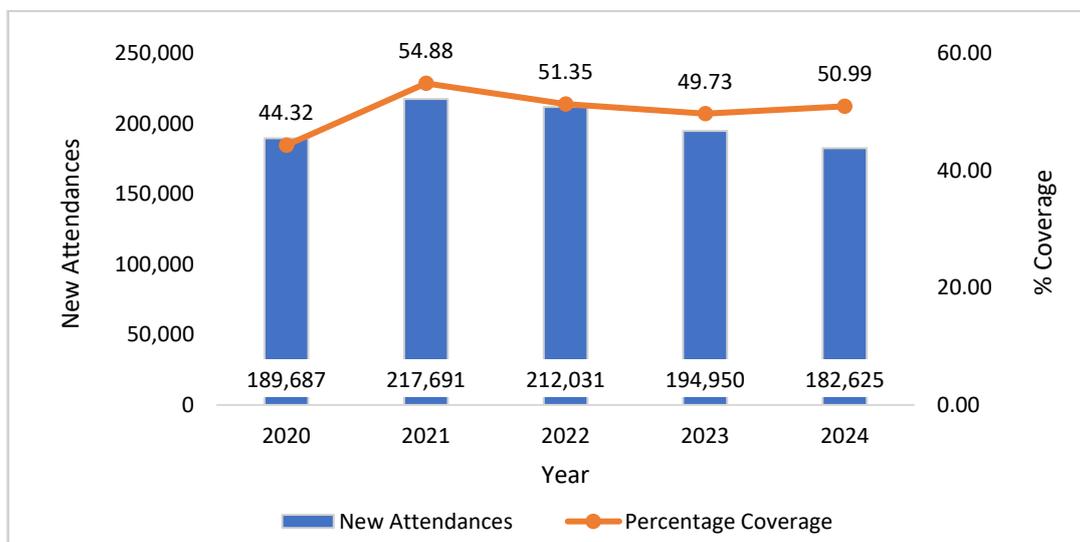


Figure 9.3 Coverage of Antenatal Mothers, 2020 - 2024

In 2024, Perlis reported the highest oral healthcare coverage for antenatal mothers referred by Maternal and Child Health (MCH) clinics, with 85.37%. Pahang and Johor followed with 85.28% and 83.64% coverage, respectively (Figure 9.4).

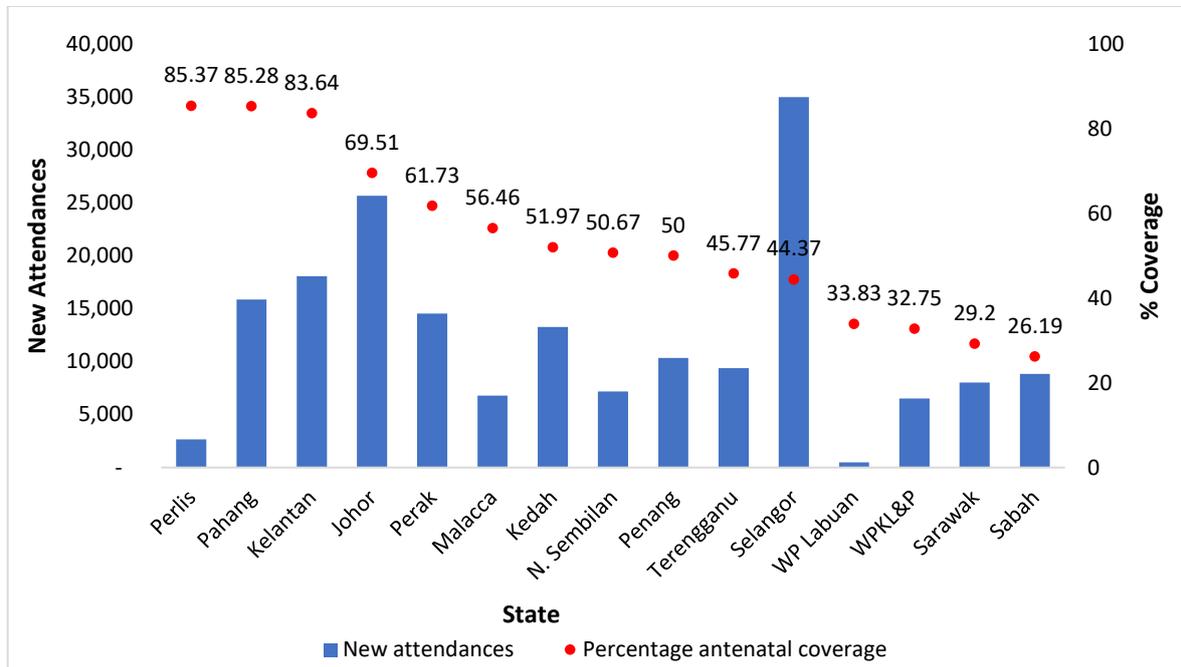


Figure 9.4 Antenatal Mothers Receiving Primary Oral Healthcare Services by State, 2024

ORAL HEALTHCARE FOR ADULTS (18 TO 59 YEARS OLD)

The majority of adults received oral healthcare services through outpatient dental clinics, promoted by the 'Pemeriksaan Pergigian Sekurang-Kurangnya Sekali Setahun dan Ingat Hari Jadi, Ingat Doktor Gigi' campaign. In 2024, the trend indicates a further increase in adult patients receiving these services (9.8% of the total adult population), suggesting enhanced oral health awareness (Figure 9.5).

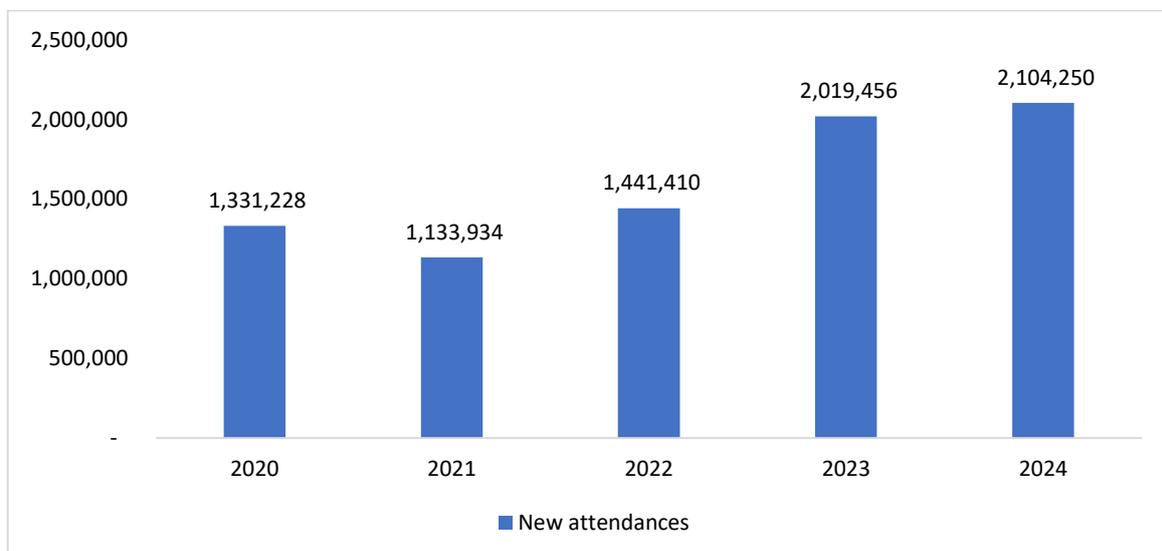


Figure 9.5 Adults Receiving Primary Oral Healthcare, 2020 – 2024

To facilitate early detection of periodontal disease, all adults over 18 utilizing MOH primary oral healthcare services were screened using the Basic Periodontal Examination (BPE) tool. This initiative, implemented since 2018, seeks to maintain individual tooth retention and ensure sustained quality of life throughout the aging process. In 2024, the predominant BPE score observed among screened adults was score of 2, signifying gingival bleeding and the presence of calculus (**Figure 9.6**). Adults with BPE score of 1, 2 and 3 were managed within primary dental clinics through oral health education, dietary counselling, and scaling with polishing. Patients presenting with BPE score of 3 with underlying medical conditions, and score of 4 were referred to specialist oral healthcare clinics for intensive periodontal management.

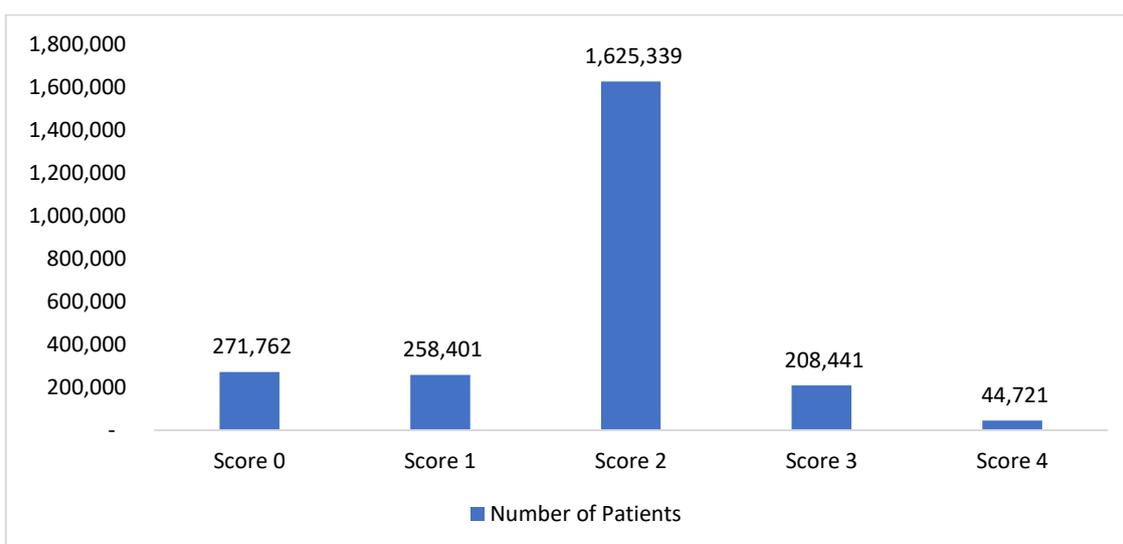


Figure 9.6 Adults Screened for Periodontal Health Status using BPE tool, 2024

KLINIK PERGIGIAN ENDODONTIK PRIMER (KEPP)

To minimize endodontic case referrals from primary dental clinics to restorative specialist clinics, *Klinik Pergigian Endodontik Primer* (KEPP) was established in 2012 as an extension of primary oral healthcare services. These clinics are operated by trained dental officers who utilize rotary instruments to manage non-complex endodontic cases referred from primary dental clinics. In 2024, a total of 58 KEPPs were operational, completing 1,939 endodontic cases, inclusive of retreatment (**Table 9.3**).

Table 9.3 Completed Endodontic Cases in KEPP, 2020 – 2024

Year	Number of Completed Endodontic Cases				Total Cases
	Anterior	Premolar	Molar	Retreatment	
2020	269	235	741	15	1,245
2021	409	367	1,349	36	2,125
2022	526	473	1,522	52	2,573
2023	271	303	1,081	54	1,709
2024	230	309	1,261	139	1,939

ORAL HEALTHCARE FOR THE ELDERLY

In 2024, 381,882 elderly individuals (9.67%) received Ministry of Health (MOH) primary oral healthcare services, indicating a slight upward trend (**Figure 9.7**).

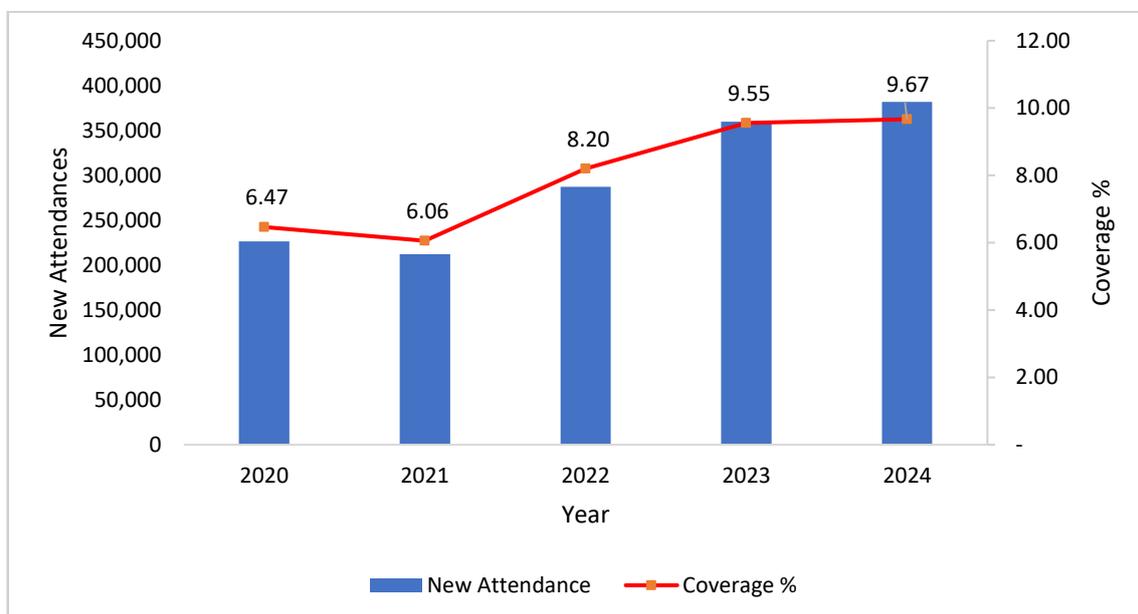


Figure 9.7 Elderly Population Receiving Primary Oral Healthcare Services, 2020 – 2024

Despite increased oral healthcare coverage, the oral health status of elderly patients has remained unsatisfactory and challenging over the years. **Table 9.4** indicates no significant change in the average number of teeth present, while the percentage of edentulous patients has risen. In 2024, only 31.36% of elderly patients (aged 60 and above) had at least 20 teeth, with this percentage further decreasing with age (**Figure 9.8**). The National Oral Health Strategic Plan 2022-2030 targets at least 50% of elderly individuals aged 60 and above to have 20 or more teeth by 2030. Achieving this target requires sustained efforts focused on a life-course approach, emphasizing preventive measures from early life stages.

Table 9.4 Oral Health Status of the Elderly, 2020 to 2024

Age	Average No. of Teeth Present					Edentulous (%)				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
60	16.1	16.3	16.3	14.2	14.1	6.7	6.7	7.1	21.9	23.7
65	14.6	14.4	14.5	13.8	13.6	9.1	9.4	9.9	16.2	17.6
75 and above	10.6	10.8	10.4	10.0	9.7	18.8	18.0	19.7	24.7	27.4

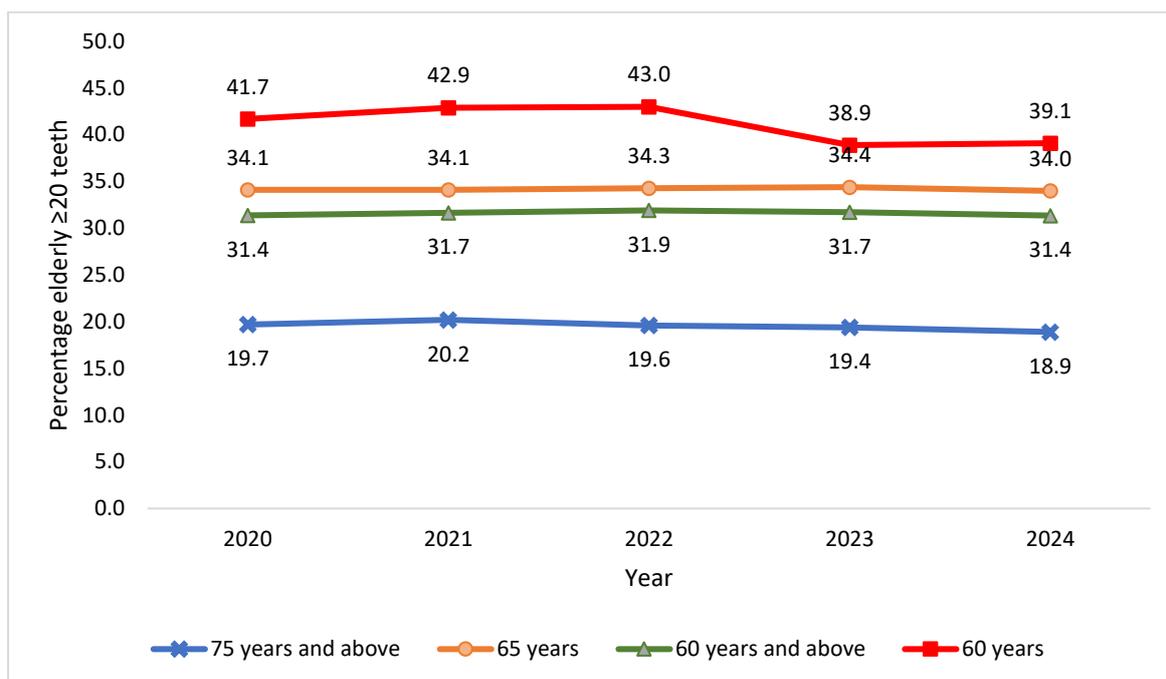


Figure 9.8 Percentage of Elderly with More Than 20 Teeth, 2024

WORKLOAD OF ORAL HEALTHCARE PROVIDERS

Leveraging technological advancements, the Gi-RET 2.0 system facilitated dental information management, enabling multi-level report generation and real-time data access. These reports included patient oral health status and dental provider workload, aiding performance monitoring and future service planning. This web-based system, to be rebranded as the Dental Information System (DIS), will be further developed to include patient dental charting, research data, and resource management, to be fully operated in all Ministry of Health (MOH) dental facilities. **Table 9.5** lists basic dental procedures performed by Dental Officers and Dental Therapists in 2024.

Table 9.5 Workload of Dental Officers and Dental Therapists by Dental Procedure, 2024

Dental Procedure	Dental Officer	Dental Therapist	Total
Fissure Sealant	138,138	336,610	474,748
Fluoride Varnish	189,656	382,768	572,424
Restoration	2,037,213	1,141,901	3,179,114
Scaling	1,157,631	242,772	1,400,403
Periodontal Cases (other than scaling)	2,912	NA	2,912
Tooth Extraction	1,512,076	356,006	1,868,082
Surgical Tooth Extraction include minor oral surgery	25,961	NA	25,961
Abscess Management	85,305	NA	85,305
Endodontic Treatment	21,275	NA	21,275

Dental Procedure	Dental Officer	Dental Therapist	Total
Crown & Bridges	463	NA	463
Partial Denture	85,956	NA	85,956
Full Denture	66,360	NA	66,360
Total	5,322,946	2,460,057	7,783,003

To summarize, the overall performance of primary oral healthcare services improved in 2024, although a slight decline was noted for a particular target group. The Oral Health Programme is dedicated to continuously improving the quality of service's delivery, in accordance with the Health White Paper's mandate to reform the nation's health system, addressing national health challenges and fostering greater equity, sustainability, and resilience.

Specialist Oral Healthcare Section

Empower

Excellence

Precision



From left to right :

*Ms. Umi Khairul binti Abdul Kadir; Dr. Rapeah binti
Mohd. Yassin, Dr. Azwani Hanim binti Ghazali*

SPECIALIST ORAL HEALTHCARE

DENTAL SPECIALIST SERVICES IN THE MOH

The Ministry of Health (MOH) Malaysia has nine (9) dental specialties, categorized into Hospital Based and Non-Hospital Based Dental Specialties. In 2024, there were 506 dental specialists within the MOH Malaysia (**Table 10.1**).

Table 10.1 Number of Dental Specialists in MOH, 2017-2024

Specialty	2017	2018	2019	2020	2021	2022	2023	2024
Hospital Based Dental Specialties								
Oral and Maxillofacial Surgery	75	77	81	84	90	99	109	118
Paediatric Dentistry	38	45	46	49	54	59	60	70
Oral Pathology and Oral Medicine	15	14	15	15	17	19	19	22
Special Care Dentistry	4	5	6	7	7	7	8	8
Forensic Dentistry	1	1	2	3	3	4	6	6
Non-Hospital Based Dental Specialties								
Orthodontics	64	69	70	80	81	88	89	89
Periodontics	36	42	44	49	58	67	78	80
Restorative Dentistry	28	31	37	40	46	47	50	51
Dental Public Health	90	85	80	71	71	72	68	62
Total	351	369	381	399	427	462	487	506

Note: Not inclusive of specialist undergoing gazettement and Contract Dental Specialist

Specialist services were mapped to ensure specialists were distributed appropriately based on needs, available posts, and facilities, as well as to identify the need of future training. The expansion involved 12 new dental facilities across six (6) dental specialties (**Table 10.2**).

Table 10.2 New Dental Specialty Services Established in 2024

Specialty	Facility
Hospital Based Dental Specialties	
Oral and Maxillofacial Surgery	Hospital Dungun, Terengganu
Paediatrics Dentistry	Hospital Tanjong Karang, Selangor
	Hospital Wanita dan Kanak-Kanak Raja Permaisuri Norashikin, Kajang, Selangor
	Hospital Sultanah Nora Ismail, Batu Pahat, Johor
Oral Pathology and Oral Medicine	Hospital Taiping, Perak
Non-Hospital Based Dental Specialties	
Orthodontics	Klinik Pergigian Bintulu, Sarawak
Periodontics	Klinik Pergigian Pauh, Perlis
	Klinik Pergigian Air Putih, Pulau Pinang
	Klinik Pergigian Kluang, Johor
	Klinik Pergigian Kuala Krai, Kelantan
	Klinik Pergigian Sarikei, Sarawak
Restorative Dentistry	Klinik Pergigian Kepala Batas, Kedah

DENTAL SPECIALIST MEETINGS

Dental Specialist Meetings was conducted annually to gather all nine (9) specialty disciplines to discuss their action plans, achievements, current issues, key performance indicators, and patient safety indicators. In 2024, three (3) Dental Specialist Meetings were conducted both virtually and physically (**Table 10.3**).

Table 10.3 Dental Specialist Meetings Organized in 2024

Meetings	Date
Hospital Based Dental Specialist Meeting	21 March 2024
Non-Hospital Based Dental Specialist Meeting	1 April 2024
Multidisciplinary Dental Specialist (MDS) Meeting	30 Jun-2 July 2024

HOSPITAL BASED DENTAL SPECIALTIES

ORAL AND MAXILLOFACIAL SURGERY (OMFS)

In 2024, there was a continued upward trend for both new patients and total attendances compared to the previous years. The number of new patients increased from 114,072 in 2023 to 121,370 in 2024, representing a growth of 7,298 (6.40%) patients. Total attendance also recorded a notable rise from 347,205 in 2023 to 380,312 in 2024, which equates to an increase of 33,107 (9.54%) attendances. This consistent growth reflects a sustained demand for services and improved accessibility and service capacity to the population (**Figure 10.1**).

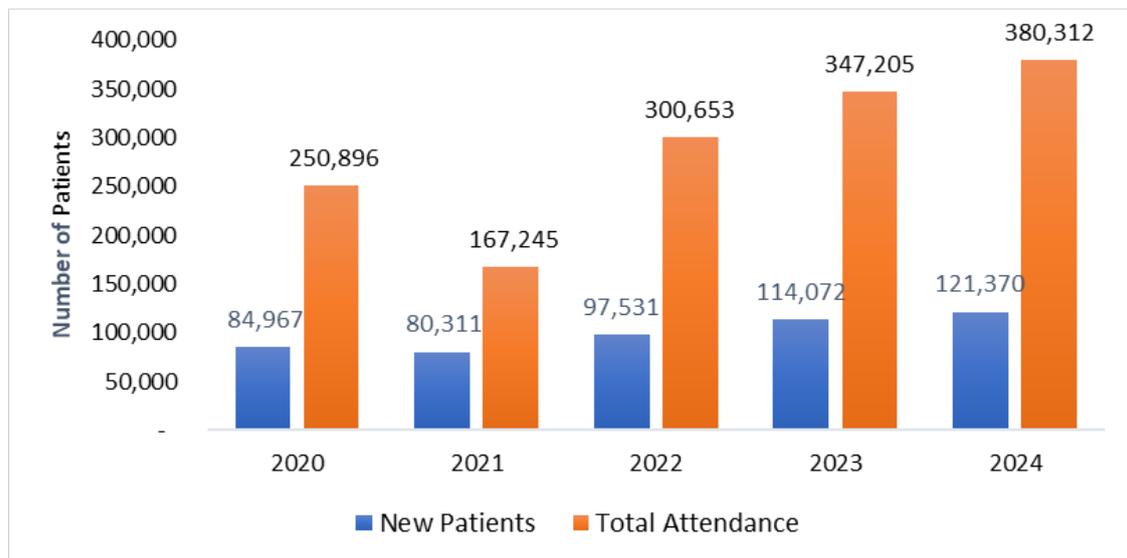


Figure 10.1 Number of Patients Seen by Oral and Maxillofacial Specialists, 2020-2024

In 2024, there was a notable decline in both benign and malignant cases seen by Oral and Maxillofacial Specialists. The number of benign cases decrease from 1,405 in 2023 to 1,202 in 2024, representing a reduction of 203 cases or 14.45%. Similarly, malignant cases dropped from 1,344 to 1,148, a decrease of 196 cases or 14.58%. Meanwhile other pathological cases seen by Oral and Maxillofacial Specialists increased from 85,342 to 91,841, marking a growth

of 6,499 cases, or approximately 7.62%. Trauma cases also rose, from 61,980 in 2023 to 69,075 in 2024, which is an increase of 7,095 cases or 11.45% (Figure 10.2). New and total attendances of OMFS by states in 2024 are shown in Table 10.4.

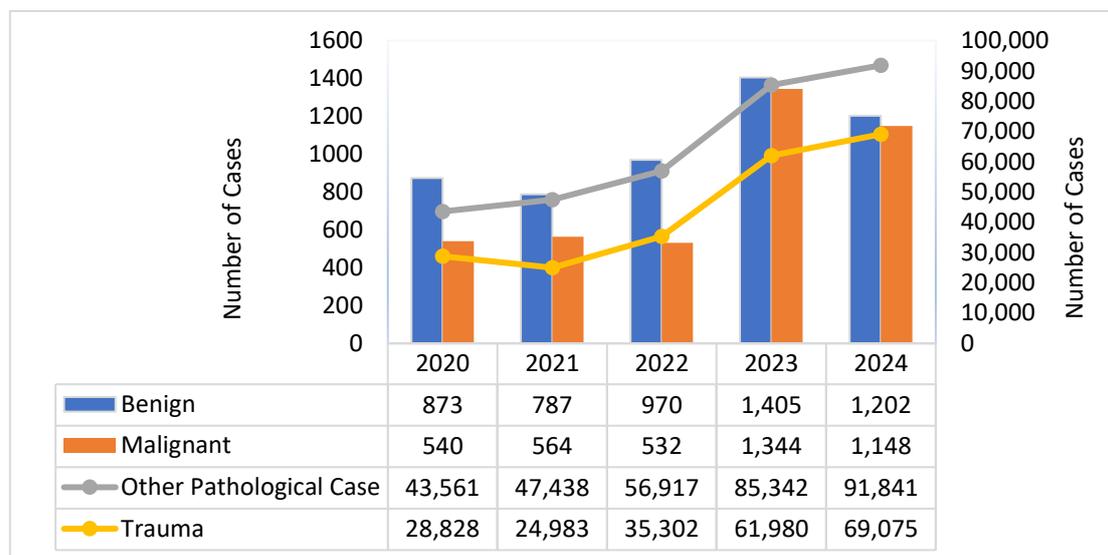


Figure 10.2 Type of Cases Seen by Oral and Maxillofacial Specialists, 2020-2024

Table 10.4 New Patients and Total Attendances of Oral & Maxillofacial Surgery, 2024

State	New Patients	Total Attendance
Perlis	1,552	5,716
Kedah	9,727	27,386
Pulau Pinang	9,184	22,958
Perak	8,106	27,103
Selangor	25,795	93,016
FT KL & Putrajaya*	10,404	30,921
Negeri Sembilan	4,219	11,535
Melaka	4,291	11,793
Johor	17,586	59,574
Pahang	5,424	17,916
Terengganu	3,756	11,246
Kelantan	4,724	13,570
Sabah	7,114	22,683
Sarawak	9,488	24,795
FT Labuan	0	0
Total	121,370	380,212

*Note: includes data from National Cancer Institute, Ministry of Health

In 2024, most surgical based cases showed an upward trend compared to the previous year. Minor oral surgery cases rose from 28,199 in 2023 to 30,744 in 2024, an increase of 2,545 cases, (9.02%). Trauma-related cases continued significant upward, increasing from 56,212 to 66,110, a rise of 9,898 (17.61%). Major oral surgeries also increased from 3,715 in 2023 to

3,920 in 2024, indicating a growth of 205 cases (5.52%). Conversely, implant insertions, which had declined in 2023, rebounded slightly from 1,333 to 1,632 cases in 2024, an increase of 299 cases (22.43%) (Figure 10.3).

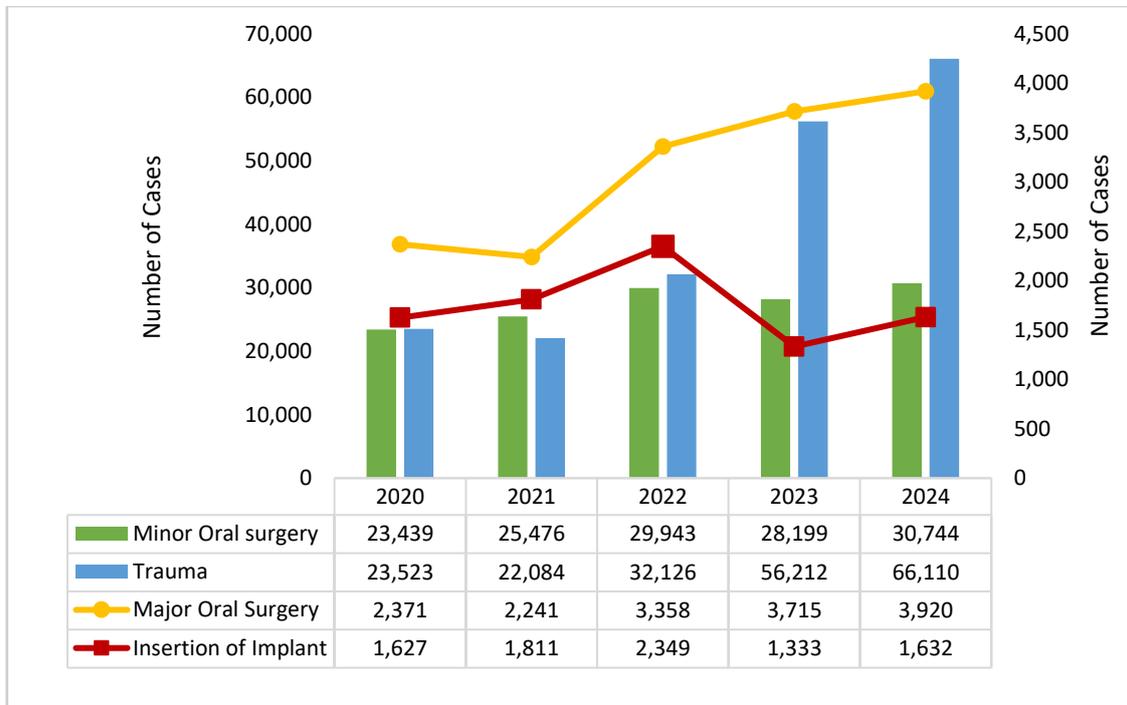


Figure 10.3 Number of Treatments Performed by Oral and Maxillofacial Specialists, 2020-2024

ORAL AND MAXILLOFACIAL SURGERY (OMFS) CLUSTER SERVICES

There were six (6) additional new OMFS cluster services in 2024. New non-lead hospitals are Hospital Baling in Kedah, Hospital Gerik in Perak, Hospital Balik Pulau in Penang, Hospital Kuala Kubu and Hospital Banting in Selangor, and Hospital Sultanah Hajjah Kalsom in Pahang. Overall, in 2024, the number of patients seen in these hospitals increased approximately 1.4% to over 25.0% compared to previous years, reflecting a positive response to the service expansion. The highest number of patients seen in 2024 was at Hospital Bukit Mertajam (1,141), followed by Hospital Baling (658) and Hospital Semporna (221) (Figure 10.4).

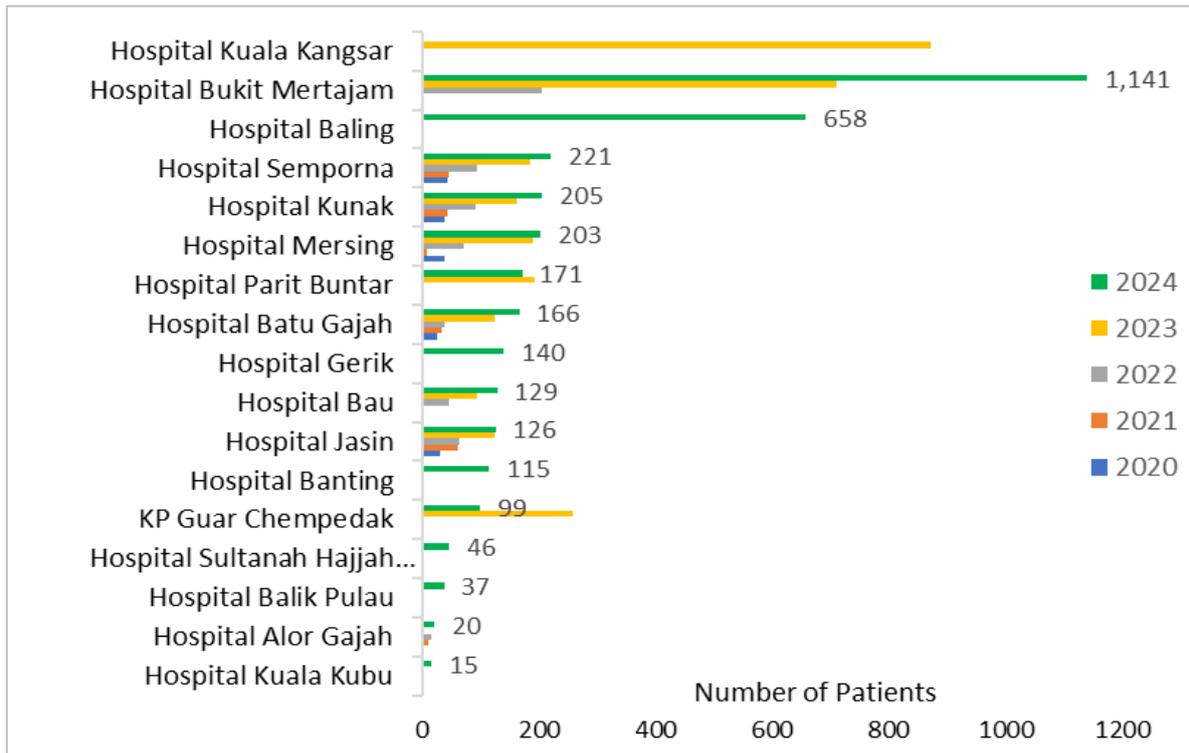


Figure 10.4 Number of Patients Seen from Oral and Maxillofacial Surgery Cluster Service, 2020-2024

PAEDIATRIC DENTISTRY (PDEN)

In 2024, the total attendance for PDEN, which treats children under 17, rose by 11.18% from the previous year, as illustrated in **Figure 10.5**. **Table 10.5** showed details of new and total attendances for PDEN by state. The number of new patients seen by Paediatric Dentistry Specialists also increased by 13.42% from 54,996 in 2023 to 62,379 in 2024.

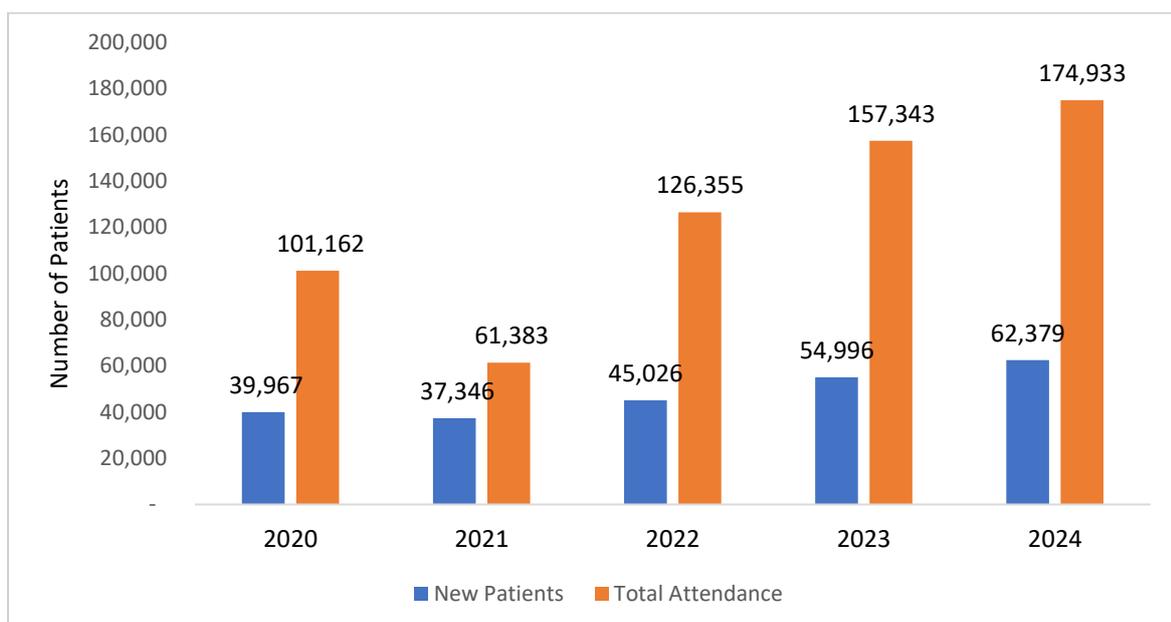


Figure 10.5 Number of Patients Seen by Paediatric Dentistry Specialists, 2020-2024

Table 10.5 New Patients and Total Attendances of Paediatric Dentistry, 2024

State	New Patients	Total Attendance
Perlis	960	3,023
Kedah	3,721	10,242
Pulau Pinang	2,587	7,087
Perak	6,538	19,000
Selangor	12,913	36,446
FT KL & Putrajaya	3,941	10,275
Negeri Sembilan	2,365	6,103
Melaka	2,142	5,013
Johor	6,633	19,108
Pahang	3,459	11,396
Terengganu	2,231	5,871
Kelantan	3,943	10,144
Sabah	7,284	20,302
Sarawak	3,662	10,923
FT Labuan	0	0
Total	62,379	174,933

In 2024, the total number of clinical preventive treatments increased by 16.3% as compared to 2023, as illustrated in **Figure 10.6**. The number of simple and advanced restorations also increased significantly by 24.1%, from 42,834 in 2023 to 53,170 in 2024. Other treatment categories, including oral surgery, pulp therapy, trauma, and prosthodontics, also recorded moderate increases, reflecting overall growth in treatment provision.

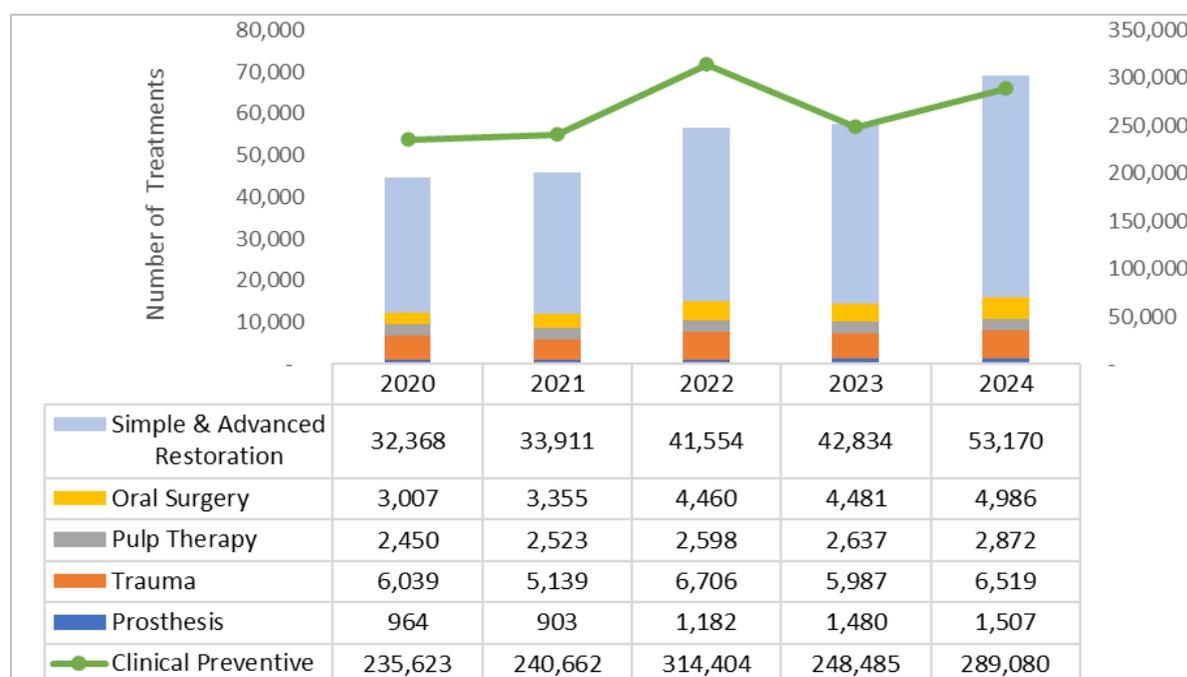


Figure 10.6 Treatment Rendered by Paediatric Dentistry Specialists, 2020-2024

In 2024, treatment performed under general anaesthesia continued to increase significantly by approximately 12.63%, rising from 5,765 in 2023 to 6,494 in 2024. In contrast, treatment under sedation remained relatively stable, recording a slight decrease of 0.16%, from 1,287 in 2023 to 1,285 in 2024 (**Figure 10.7**).

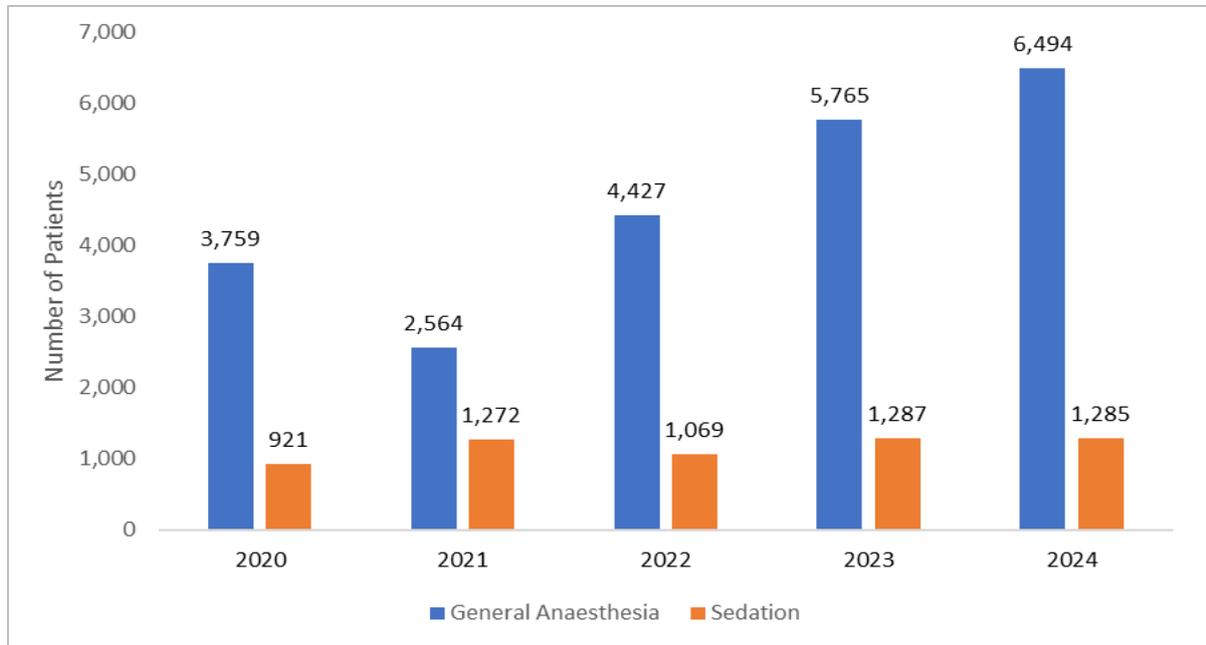


Figure 10.7 Treatment Rendered under Sedation and General Anaesthesia, 2020-2024

PAEDIATRIC DENTISTRY (PDEN) CLUSTER SERVICES

Paediatric Dentistry (PDEN) cluster service has been implemented since 2019 at Hospital Batu Gajah (Perak), Hospital Alor Gajah (Melaka), Hospital Besut (Terengganu), and Hospital Semporna and Hospital Kunak (Sabah). In 2024, the service was further expanded to include additional non-lead hospitals such as KP Baling (Kedah), Hospital Kuala Kangsar (Perak), Hospital Mersing (Johor), Hospital Banting and Hospital Kuala Kubu Baru (Selangor), and Hospital Sultanah Hajjah Kalsom (Pahang).

The highest number of patients treated under the PDEN cluster in 2024 was recorded in Hospital Mersing (303), followed by Hospital Semporna (238), Hospital Kunak (234), Hospital Kuala Kangsar (221), and Hospital Banting (212), as illustrated in **Figure 10.8**.

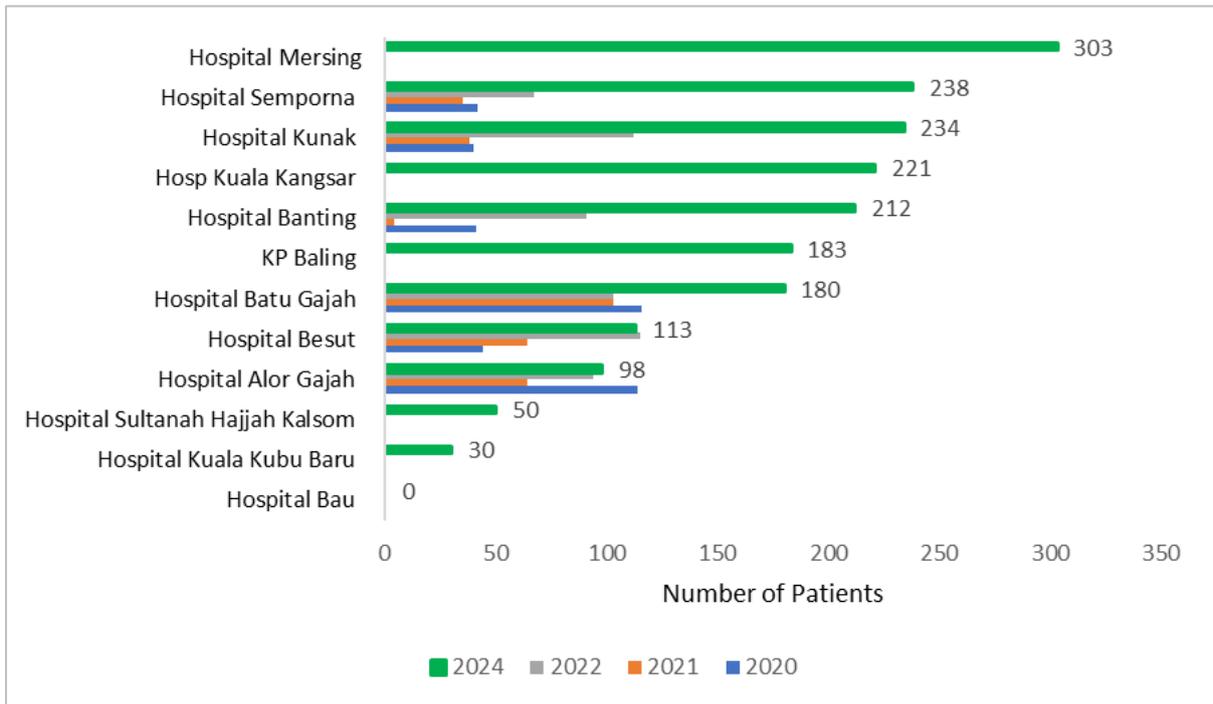


Figure 10.8 Number of Patients Attending Paediatric Dentistry Cluster Service, 2020-2024

ORAL PATHOLOGY AND ORAL MEDICINE (OPOM)

The total attendance of patients seen by OPOM increased by 10.4% in 2024 (17,400) as compared to 2023 (15,762) (**Figure 10.9**). The number of new patients also increased from 5,002 in 2023 to 5,874 in 2024, representing a growth of 17.4%, which indicate increase demand in oral pathology and oral medicine specialty. New and total attendances of OPOM by state are depicted in **Table 10.6**.

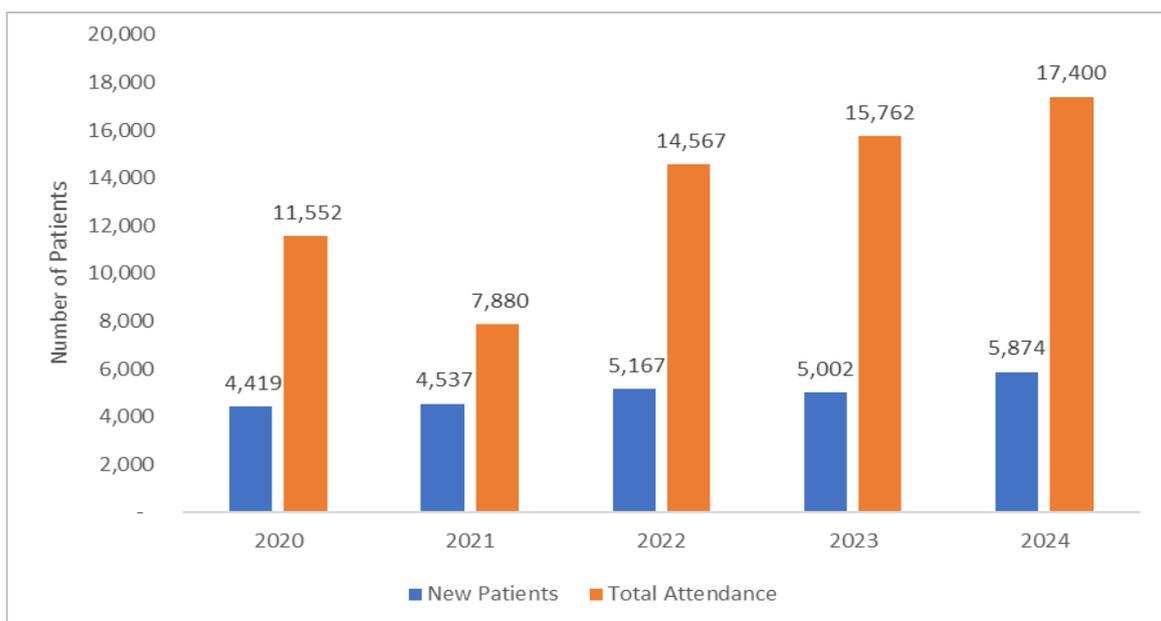


Figure 10.9 Number of Patients Seen by Oral Pathology and Oral Medicine Specialists, 2020-2024

Table 10.6 New Patients and Total Attendances of Oral Pathology and Oral Medicine, 2024

State	New Patients	Total Attendance
Kedah	352	2,054
Pulau Pinang	282	779
Perak	1,013	2,568
Selangor	320	875
FT KL & Putrajaya	614	2,012
Johor	655	2,049
Pahang	357	838
Terengganu	622	2,083
Kelantan	706	1,550
Sabah	560	1,434
Sarawak	393	1,158
Total	5,874	17,400

In 2024, the number of oral medicine cases, slides seen, and reports issued by OPOM specialist continued to rise, increasing by approximately 18.39%, 7.49%, and 4.25% respectively, compared to 2023 (**Figure 10.10**).

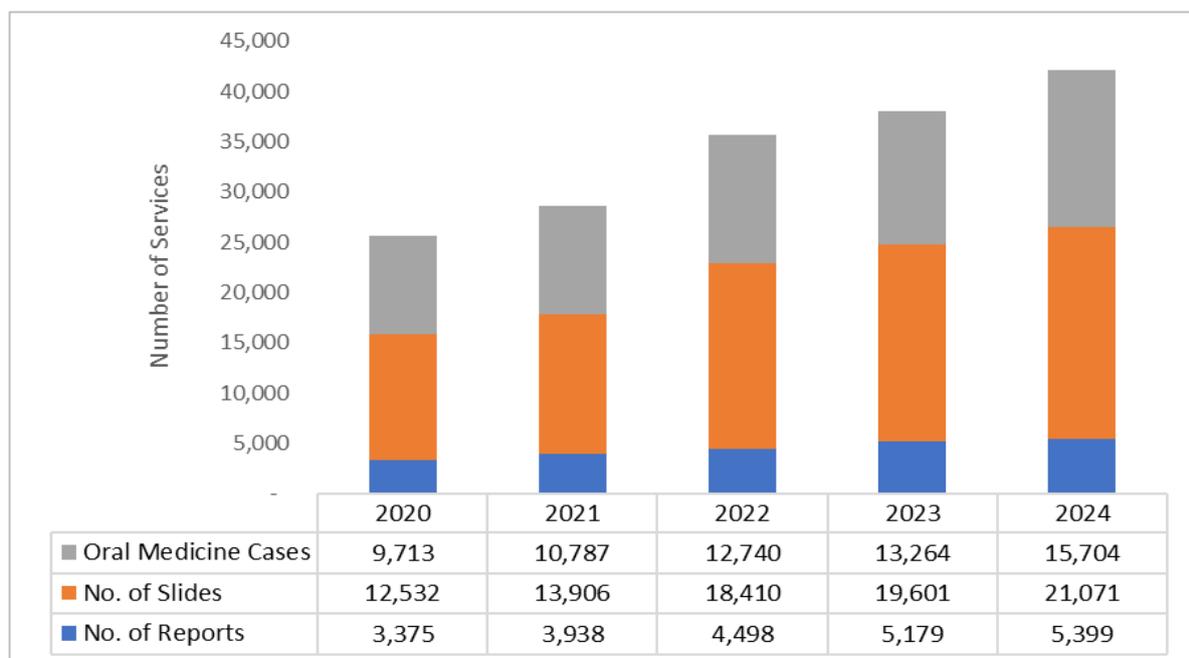


Figure 10.10 Type of services by Oral Pathology and Oral Medicine Specialists, 2020-2024

In 2024, the number of mucosal lesion and precancerous cases showed a modest increase of 11.66% and a slight decrease of 0.48% respectively, compared to 2023. Salivary gland pathology cases decreased by 13.03% in 2024. Similarly, cases of oro-facial pain declined slightly by 1.48%, while neoplasm cases continued to decrease by 9.13%, from 241 in 2023 to 219 in 2024 (**Figure 10.11**).

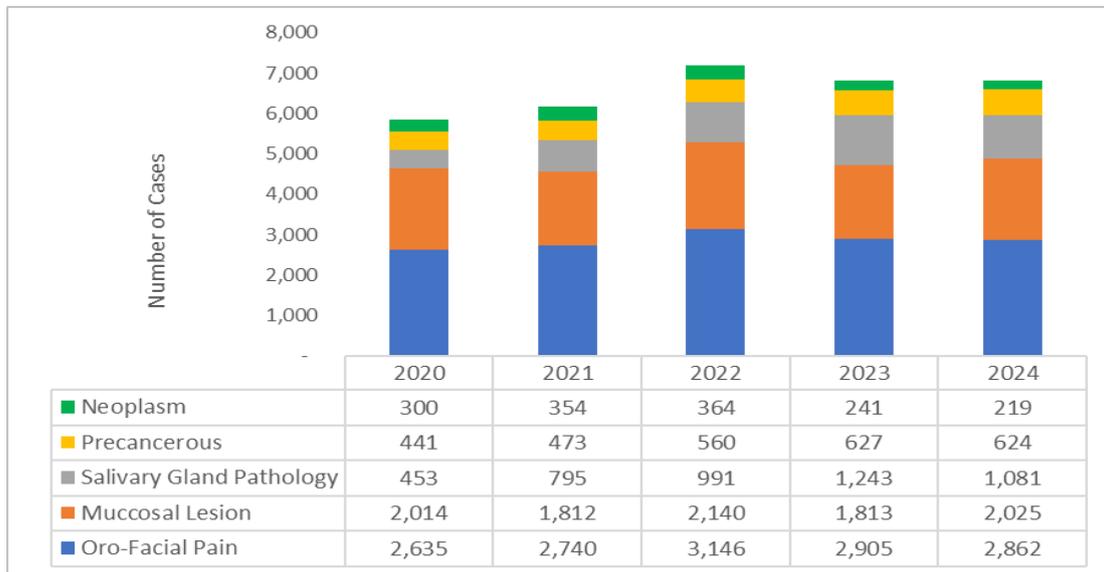


Figure 10.11 Type of cases seen by Oral Pathology and Oral Medicine Specialists, 2020-2024

SPECIAL CARE DENTISTRY (SCD)

The total attendance of patients increased by 27.33% in 2024 (13,446) compared to 2023 (10,560) (**Figure 10.12**). New and total attendances of SCD by states are shown in **Table 10.7**. The number of new patients also rose significantly from 4,497 in 2023 to 5,713 in 2024, reflecting an increase of 27.08%, indicating growing service utilization at Special Care Dentistry (**Table 10.7**).

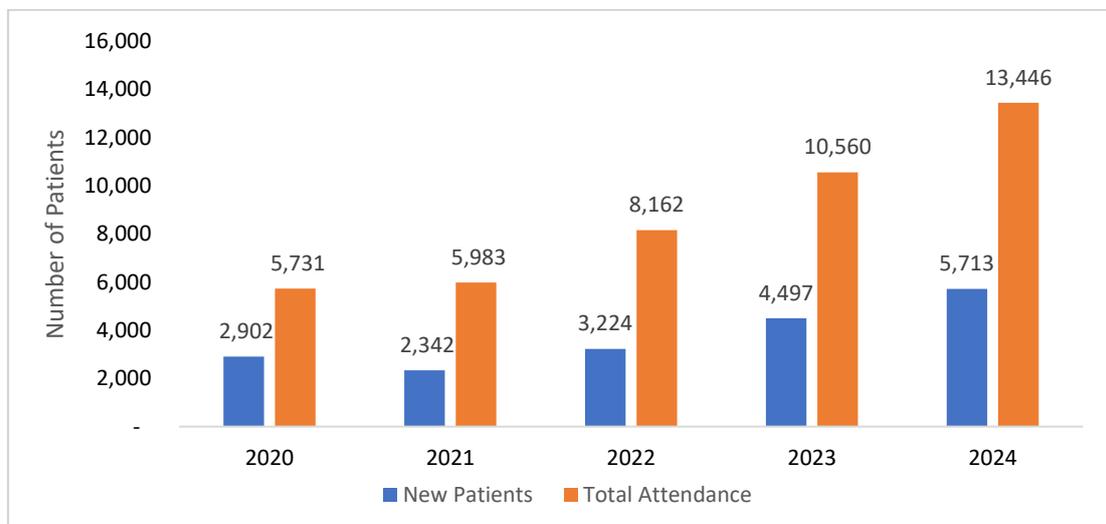


Figure 10.12 Number of Patients Seen by Special Care Dentistry Specialists, 2020-2024

Table 10.7 New Patients and Total Attendances of Special Care Dentistry by Hospital 2024

Hospital	New Patients	Total Attendance
Hospital Seberang Jaya	543	3,287
Hospital Kajang	734	2,080
Hospital Rehabilitasi, Cheras	495	1,839
Hospital Kuala Lumpur	1,909	1,688
Hospital Raja Perempuan Zainab II	565	1,575
Hospital Queen Elizabeth	838	1,520
Hospital Umum Sarawak	618	1,438
Hospital Labuan	11	19
Total	5,713	13,446

In 2024, SCD continued to observe an upward trend in various types of services. Domiciliary visits increased by 21.51%, from 93 in 2023 to 113 in 2024. Conscious sedation cases also rose by 16.56%, from 157 to 183. Most notably, non-pharmacological approaches experienced a significant increase of 68.64%, rising from 7,553 in 2023 to 12,739 in 2024. Meanwhile, pharmacological approaches remained relatively unchanged with only 10.98% increase from 82 to 91 cases (**Figure 10.13**).

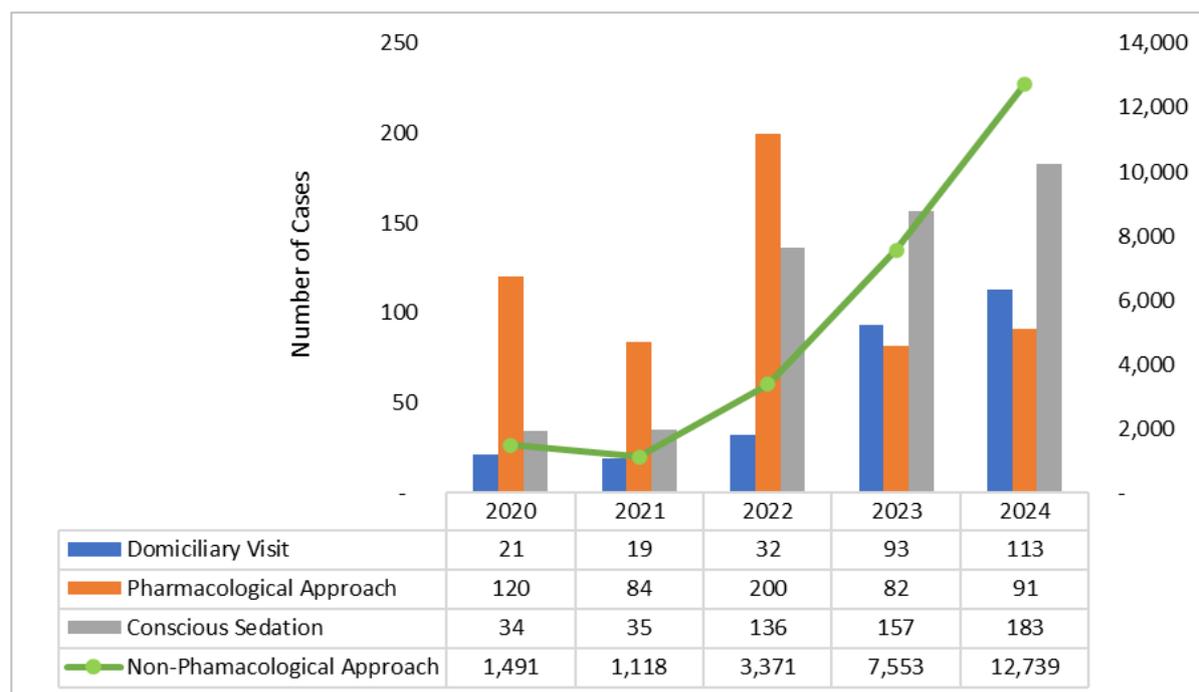


Figure 10.13 Type of Cases Seen by Special Care Dentistry Specialists 2020-2024

FORENSIC ODONTOLOGY (FOD)

Dental evidence is essential in facilitating prompt and accurate identification through dental records. Meticulous charting during intra-oral examinations is crucial to prevent discrepancies. Inaccuracies in dental charting may result in delays in victim identification and release, potentially necessitating alternative methods for confirmation.

In 2024, five (5) MOH facilities continued to provide services for Forensic Odontology (FOD) nationwide. The total number of cases seen increased by 42.34%, rising from 522 in 2023 to 743 in 2024 (**Figure 10.14**). New and total attendances of FOD by hospital are detailed in **Table 10.8**.

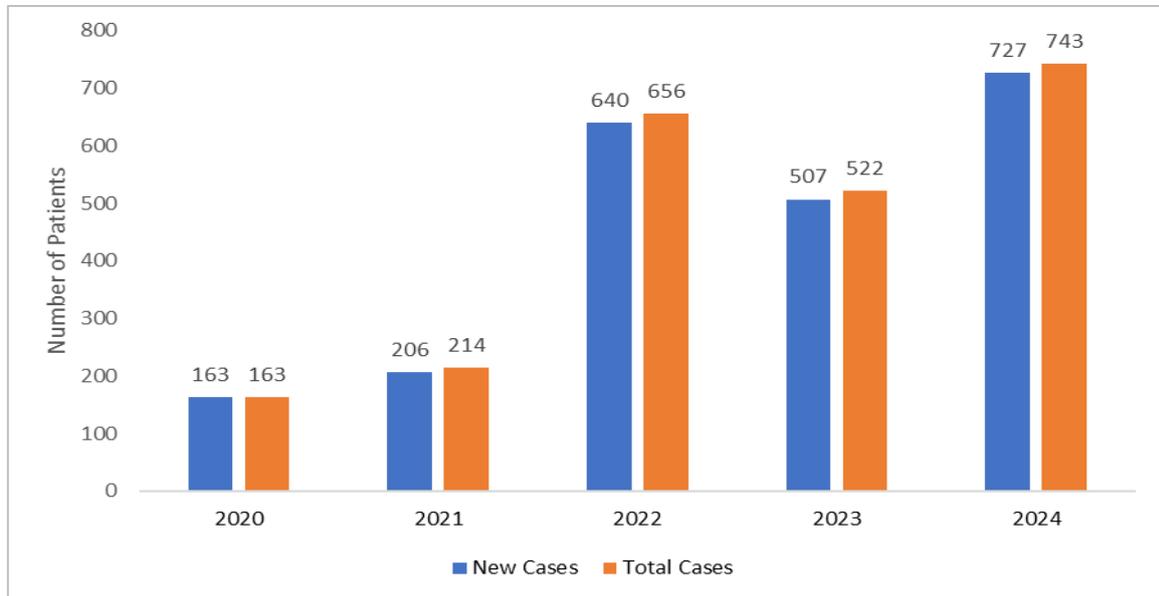


Figure 10.14 Number of Cases Seen by Forensic Odontology Specialists, 2020-2024

Table 10.8 New Patients and Total Attendances of Forensic Odontology, 2024

Hospital	New Patients	Total Attendance
Hospital Kuala Lumpur	254	258
Hospital Pulau Pinang	43	43
Hospital Tengku Ampuan Afzan	149	157
Hospital Umum Sarawak	131	135
Hospital Queen Elizabeth	150	150
Total	727	743

The types of cases managed by FOD include age estimation, post-mortem profiling, bite mark analysis, identification, and disaster victim identification (DVI). In 2024, age estimation cases surged significantly by 149.74%, from 189 in 2023 to 472 in 2024. DVI cases decreased from 47 in 2023 to 10 in 2024, marking a reduction of 78.72%. Notably, bite mark cases also dropped by 82.50%, from 40 to 7 cases. Other categories, such as post-mortem profiling and identification, recorded moderate declines of 15.53% and 33.33%, respectively. These trends suggest most cases on age estimation in 2024 (**Figure 10.15**).

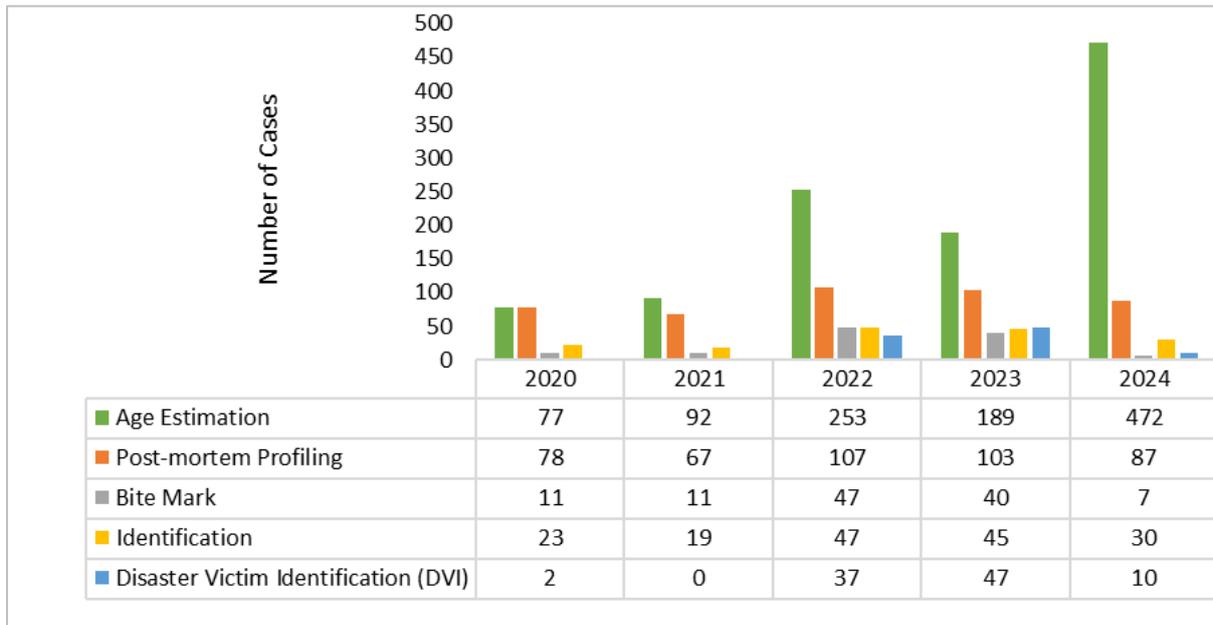


Figure 10.15 Type of Cases Seen by the Forensic Odontology Specialists, 2020-2024

NON-HOSPITAL BASED DENTAL SPECIALTIES

ORTHODONTICS (ORTD)

The number of new patients decreased by approximately 0.64%, dropping from 60,625 in 2023 to 60,239 in 2024. In contrast, total attendance showed an increase, growing by about 1.29% from 256,370 in 2023 to 259,687 in 2024 (**Figure 10.16**). New and total attendances of ORTD by states depicted in 2024 (**Table 10.9**).

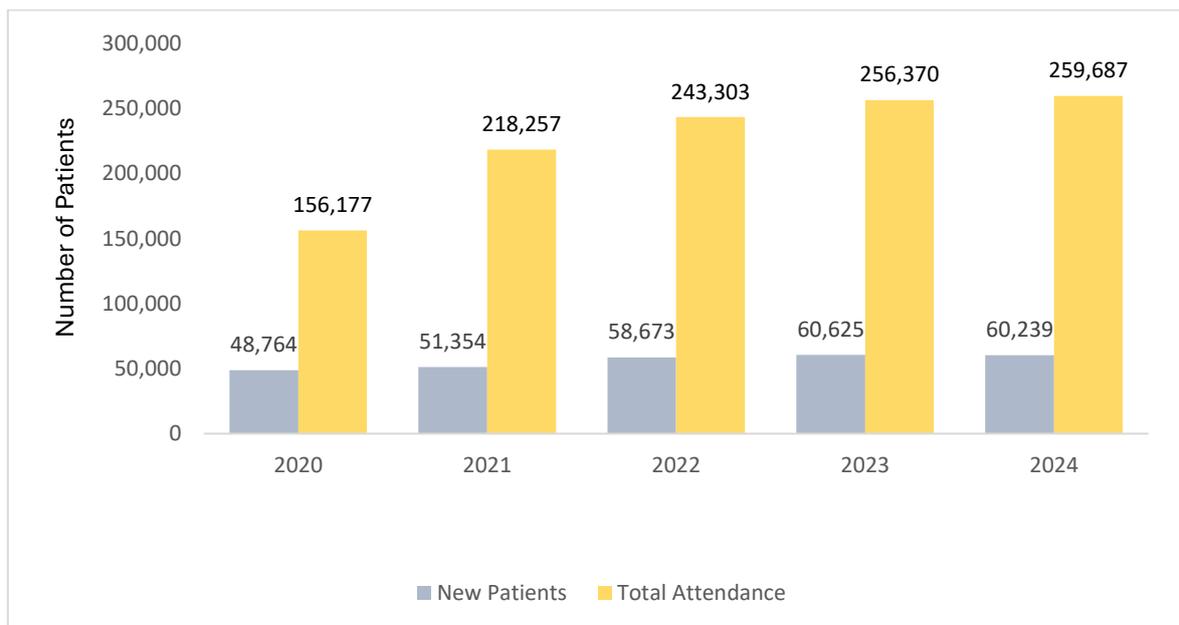


Figure 10.16 Number of Patients Seen by Orthodontists, 2019-2024

Table 10.9 New Patients and Total Attendances of Orthodontics, 2024

State	New Patients	Total Attendance
Perlis	312	1,381
Kedah	4,260	18,114
Pulau Pinang	4,192	18,895
Perak	4,931	21,586
Selangor	8,074	29,494
FT KL & Putrajaya	5,267	21,927
Negeri Sembilan	3,265	16,624
Melaka	3,665	15,669
Johor	7,257	30,189
Pahang	3,176	16,461
Terengganu	2,979	13,201
Kelantan	5,674	26,256
Sabah	3,292	13,810
Sarawak	3,646	14,467
FT Labuan	249	1,613
Total	60,239	259,687

From 2023 to 2024, there was a slight decrease in consultations (Category I: 4.59%, Category II: 3.47%), and a noticeable decrease in the number of patients for fix appliances (37.21%). The number of active treatment cases increased slightly by 1.01% (**Table 10.10**).

Table 10.10 Type of Services by Orthodontics, 2020-2024

Service Categories		2020	2021	2022	2023	2024
Consultation	I	7,498	9,862	13,450	15,707	14,986
	II	4,955	7,548	8,718	10,105	9,754
Removable Appliances	No. of Patients	5,287	8,291	16,655	15,771	9,737
Fixed Appliances	No. of Patients	5,846	9,209	15,939	16,775	10,533
No. of active treatment cases		33,914	34,665	37,047	38,069	38,453
Active treatment completed		3,549	5,968	6,713	6,016	6,230

The types of orthodontic cases treated at Orthodontic Specialist Clinics include malocclusion, interceptive orthodontics, surgical/adjunctive cases and cleft lip and palate cases. From 2023 to 2024, malocclusion showed a slight decrease of 3.59%, while interceptive orthodontics cases increased by 11.35% and surgery/adjunctive cases experienced a significant decline of 65.91% (**Figure 10.17**).

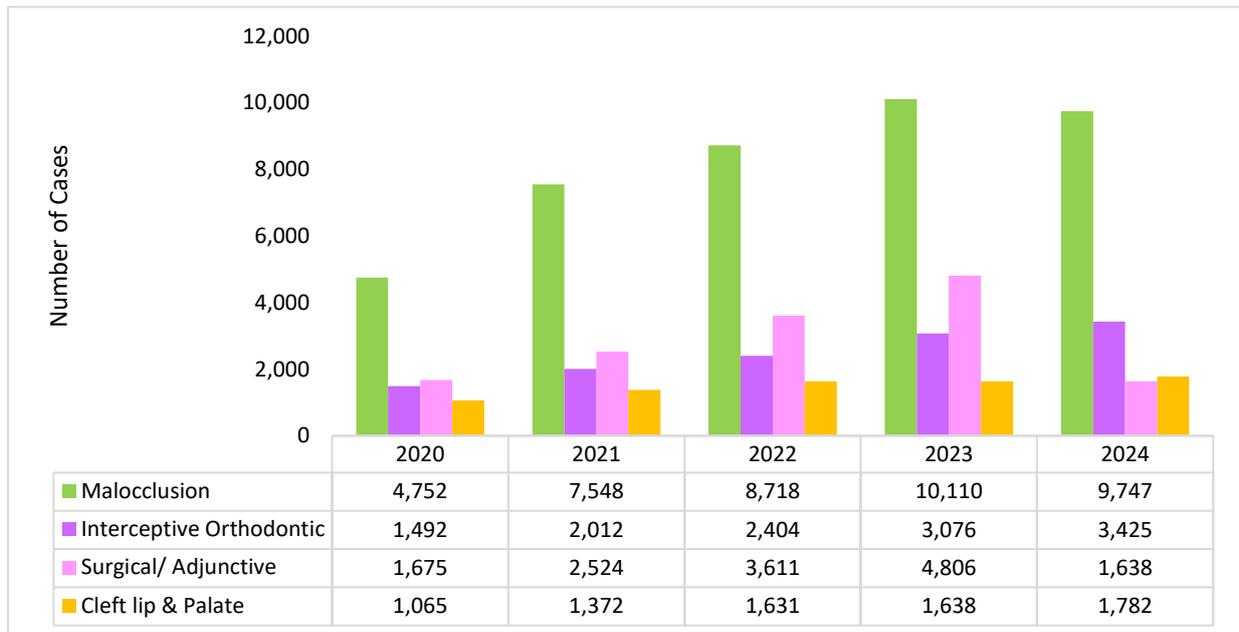


Figure 10.17 Types of Cases Seen by Orthodontists, 2020-2024

Relatively to the type of malocclusion, the highest number of malocclusion cases treated in 2024 was Class II Division 1 (4,591), followed by Class III (2,443), Class I (2,069), and Class II Division II (644). Overall, in 2024, all malocclusion cases showed a slight decrease within the range of 1.75% to 5.49% when compared to 2023 (**Figure 10.18**).

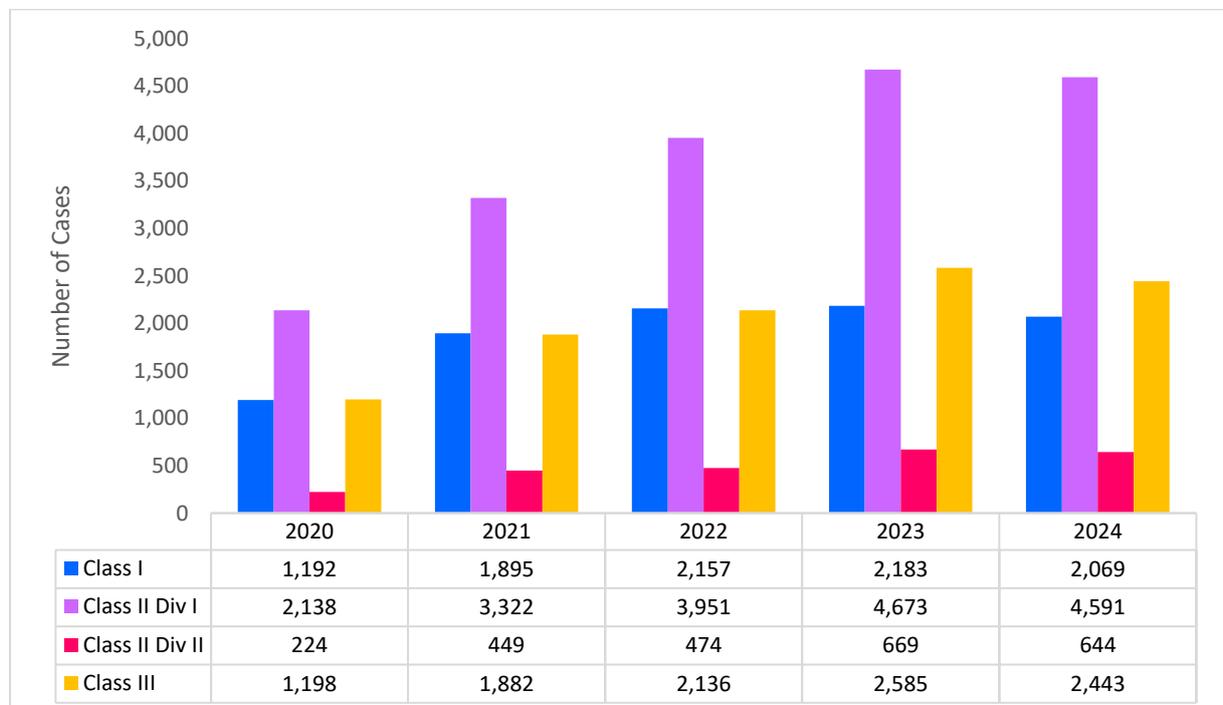


Figure 10.18 Types of Malocclusions among Orthodontic Patients, 2020-2024

From 2023 to 2024, there was a 3.06% increase in removable appliance cases, while fixed appliance cases increased by 0.15% (**Figure 10.19**).

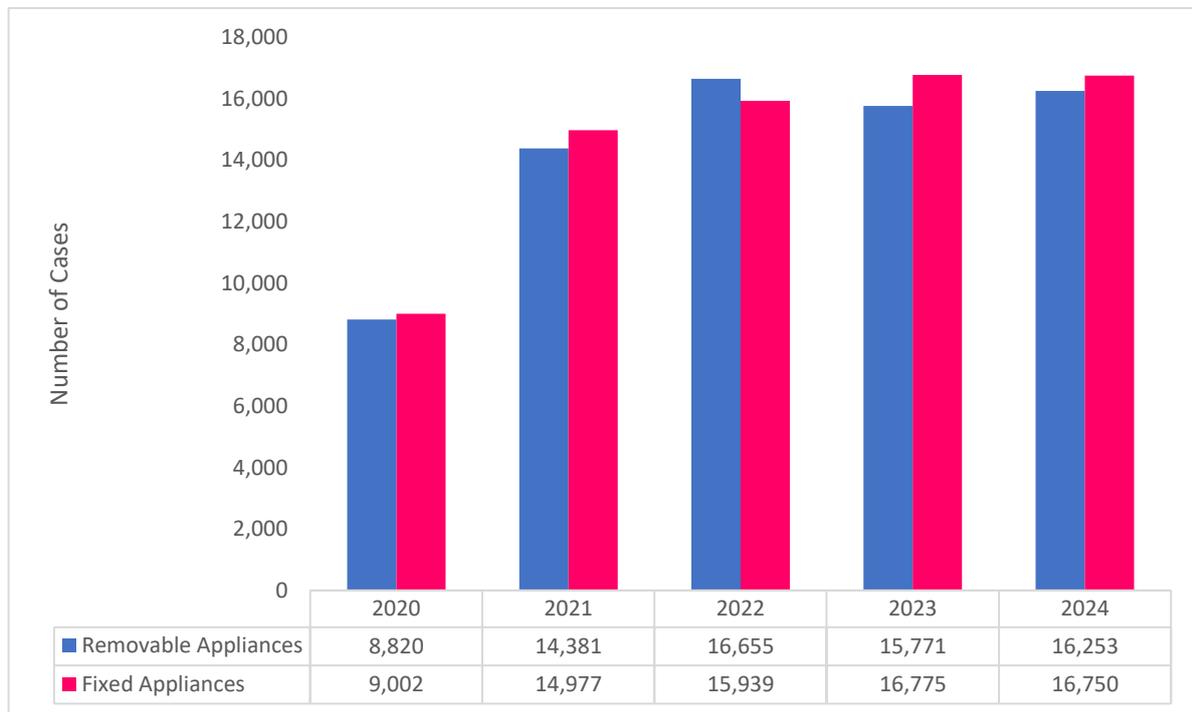


Figure 10.19 Orthodontic Appliances Cases, 2020-2024

The most commonly used removable appliances for orthodontic treatment in 2024 were retainers (14,044), followed by functional appliances (1,029) and active appliances (996) (**Figure 10.20**).

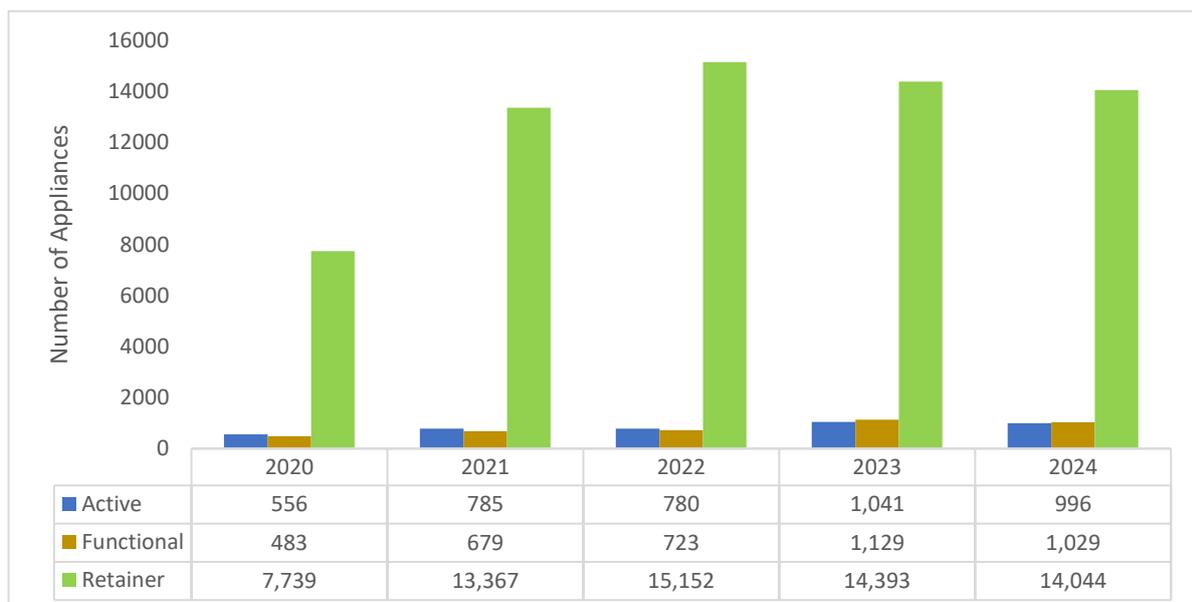


Figure 10.20 Types of Removable Orthodontic Appliances Used, 2020-2024

In 2024, band and bond were the most fixed orthodontic appliances used (13,531). This was followed by anchorage devices, (2,531), expanders/traction devices (329), and retainers (255) (Figure 10.21).

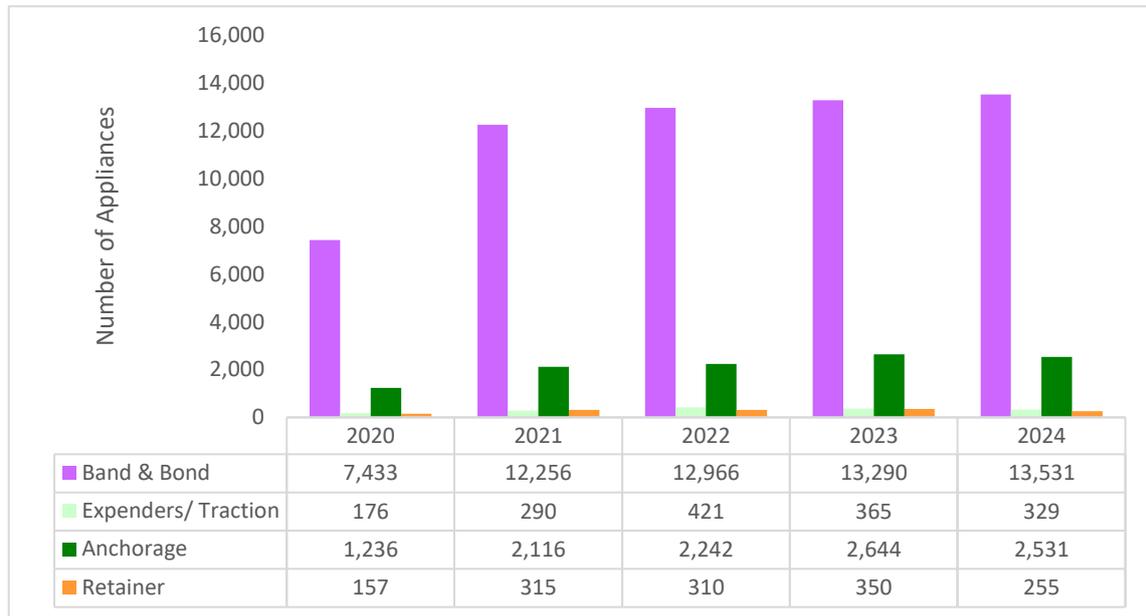


Figure 10.21 Types of Fixed Orthodontic Appliances Used, 2020-2024

PERIODONTICS (PER)

From 2023 to 2024, PER showed a significant increase in both new patients and total attendance. The number of new patients increased by 13.46% from 23,128 in 2023 to 26,240 in 2024. Similarly, total attendance increased by 15% from 2023 to 2024 (Figure 10.22). New and total attendances of PER by states depicted in Table 10.11.

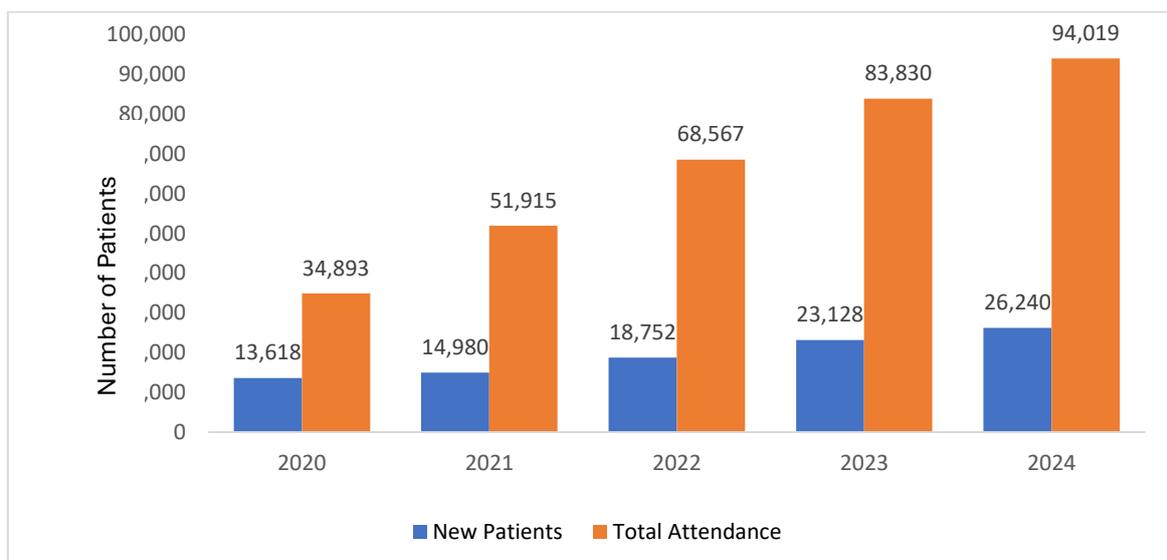


Figure 10.22 Number of Patients Seen by Periodontists, 2020-2024

Table 10.11 New Patients and Total Attendances of Periodontics by States, 2024

State	New Patients	Total Attendance
Perlis	404	1849
Kedah	1,403	4874
Pulau Pinang	1,864	6113
Perak	3,227	11061
Selangor	2,151	7977
FT KL & Putrajaya	3,228	9968
Negeri Sembilan	1,473	5786
Melaka	2,290	7836
Johor	2,453	8552
Pahang	2,077	8539
Terengganu	1,556	5783
Kelantan	1,302	5846
Sabah	1,050	4224
Sarawak	1,762	5611
Total	26,240	94,019

In 2024, 4,279 cases completed active periodontal treatment, an increase of 17.68% compared with 2023. There were 16,929 cases in maintenance phase, a substantial increase of 40.49% (**Figure 10.23**).

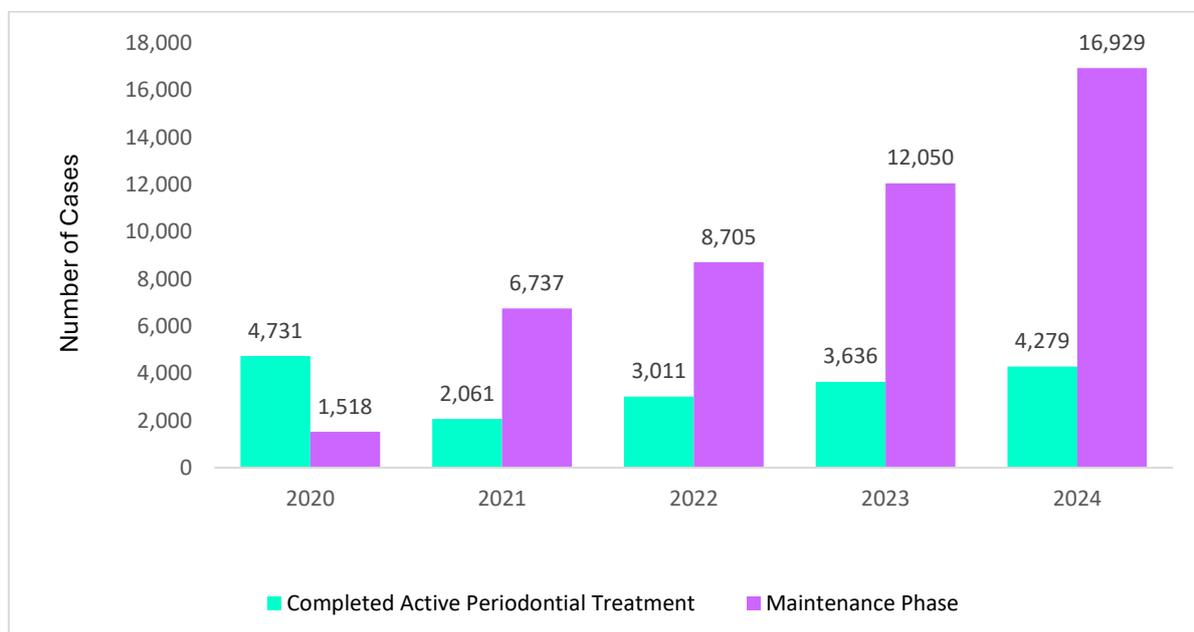


Figure 10.23 Number of Completed Cases and Maintenance Phase, 2020-2024

In 2024, non-surgical periodontal treatments increased compared to 2023, with scaling rising by 25.58% and subgingival debridement increased by 19.10% (**Figure 10.24**).

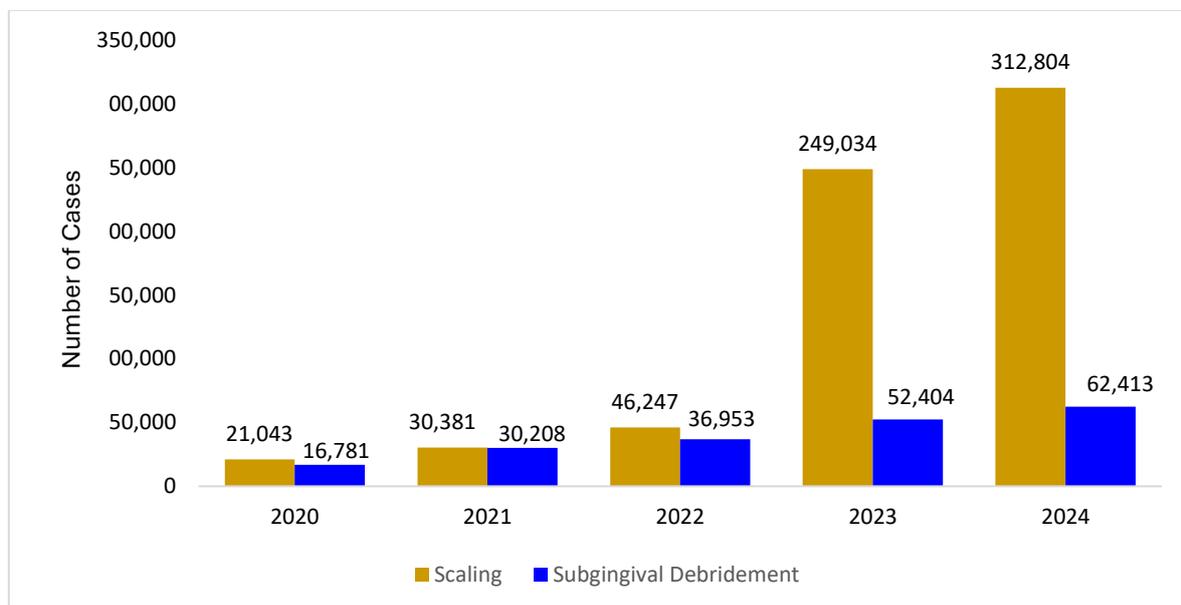


Figure 10.24 Types of Non-Surgical Periodontal Treatment, 2020-2024

In 2024, types of surgical periodontal treatments increased within the range of 2.03% to 63.77% as compared to the year 2023. The top three (3) most common surgical treatments done were flap surgery (3,563), followed by grafts (2,355) and regenerative therapy (1,390) (**Table 10.12**).

Table 10.12 Types of Surgical Periodontal Treatments, 2020-2024

Year	2020	2021	2022	2023	2024
Flap	1,241	2,126	2,976	3,492	3,563
Gingivectomy	507	815	1,002	1,014	937
Graft	557	1,036	1,328	2,308	2,355
Frenectomy	121	189	240	274	254
Amputation/ Hemisection	34	49	51	48	34
Regenerative Therapy	398	844	1,047	1,271	1,390
Crown lengthening	166	241	342	428	486
Dental Implant	175	310	466	403	660

PERIODONTICS (PER) CLUSTER SERVICES

In 2024, the PER cluster service was expanded to two (2) non-lead dental clinics which are Klinik Pergigian (KP) Kuala Dungun, and KP Rawang. Number of patients increased 7.18% for Klinik Pergigian Sitiawan, Perak and 19.09% for Klinik Pergigian Padang Matsirat, Langkawi as compared to 2023 (**Figure 10.25**).

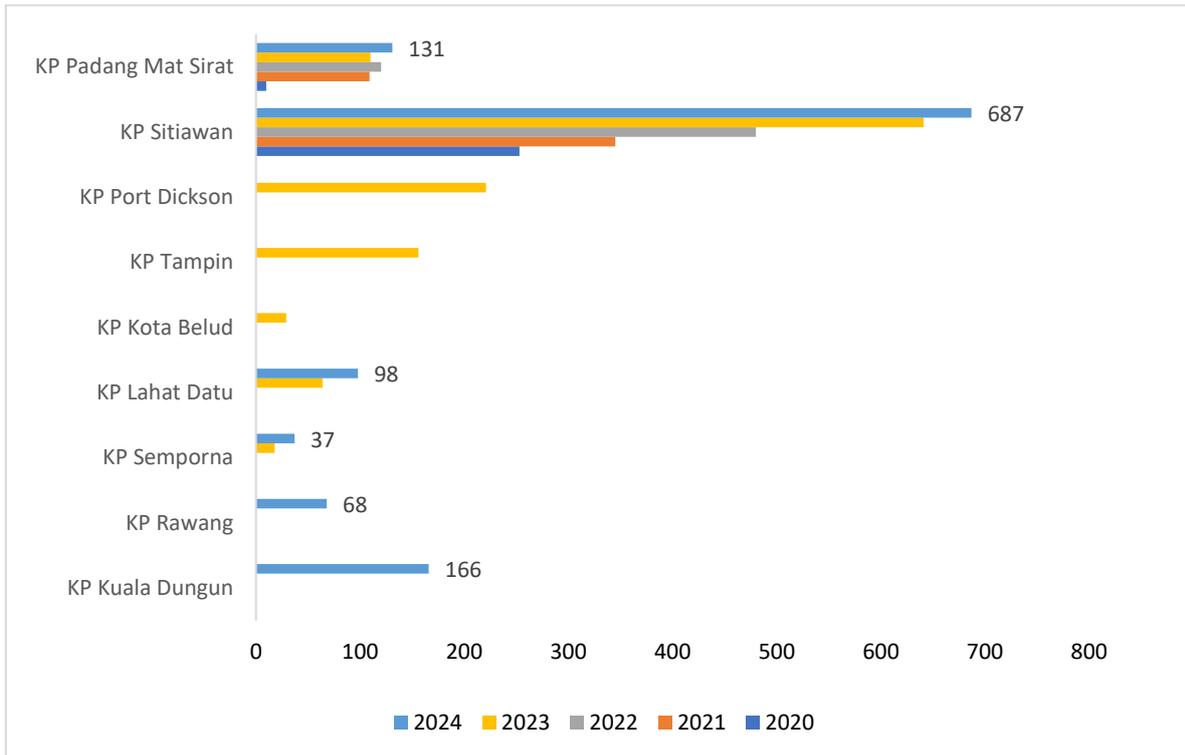


Figure 10.25 Number of Patients Seen from Periodontics Cluster Service, 2020-2024

RESTORATIVE DENTISTRY (RESD)

The total attendance for RESD increased by 9.92% in 2024 (64,715) when compared to 2023 (58,873). The number of new patients rose from 19,898 in 2023 to 21,937 in 2024, representing an increase of 10.25% (**Figure 10.26**). New and total attendances of RESD by states depicted in **Table 10.13**.

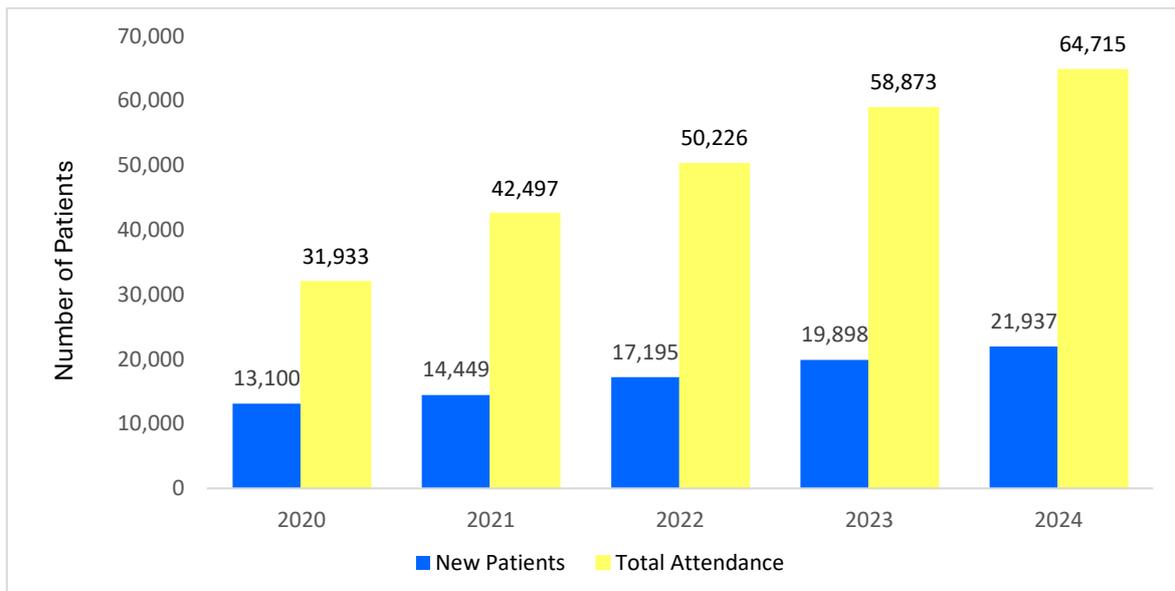


Figure 10.26 Number of Patients Seen by Restorative Dentistry Specialists, 2020-2024

Table 10.13 New Patients and Total Attendances of Restorative Dentistry by State, 2024

State	New Patients	Total Attendance
Perlis	416	1106
Kedah	1,079	3227
Pulau Pinang	1,634	4514
Perak	2,019	5953
Selangor	2,780	8025
FT KL & Putrajaya	2,864	8679
Negeri Sembilan	1,214	3681
Melaka	1,358	3305
Johor	1,793	5746
Pahang	1,212	4180
Terengganu	1,012	3091
Kelantan	1,305	3062
Sabah	1,588	5273
Sarawak	1,663	4873
Total	21,937	64,715

In 2024, there was an increase in all types of intra-coronal restorations done in relation to the year 2023 except for amalgam filling with a significant reduction of 64.15%. Tooth colored restoration was the most used restorative material in 2024 (23,745) as compared to the year 2023 (21,739) (Figure 10.27).

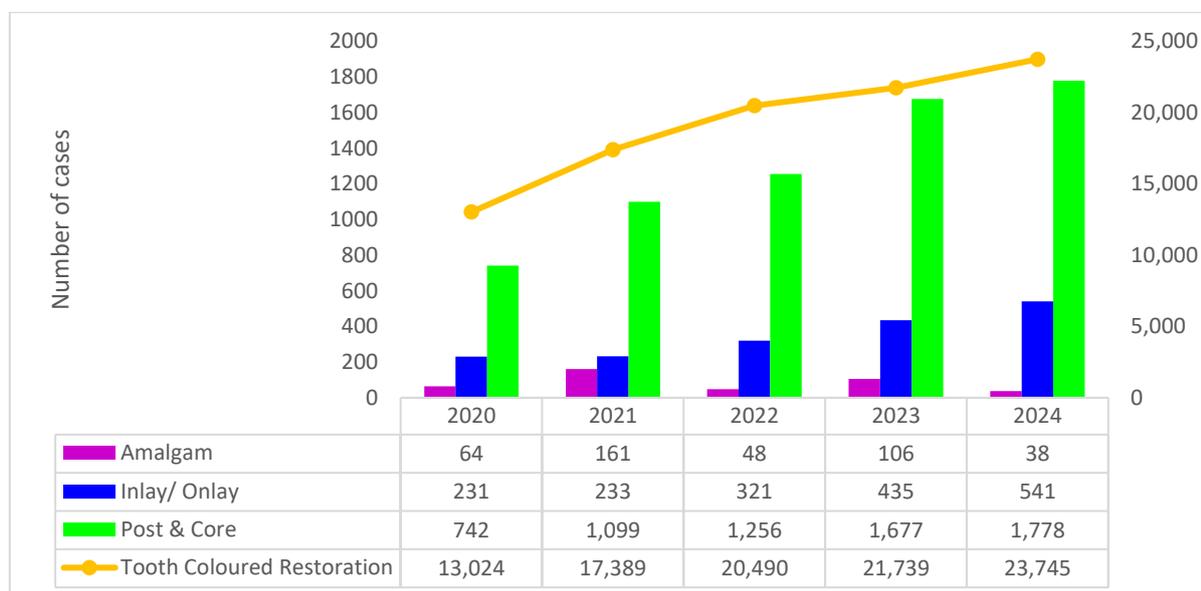


Figure 10.27 Types of Intra-Coronal Restorations Cases Done, 2020-2024

The most common extra-oral restoration done was full ceramic crown (1,997) followed by conventional bridge (1,399) and porcelain fused with metal crown (936) (Figure 10.28).

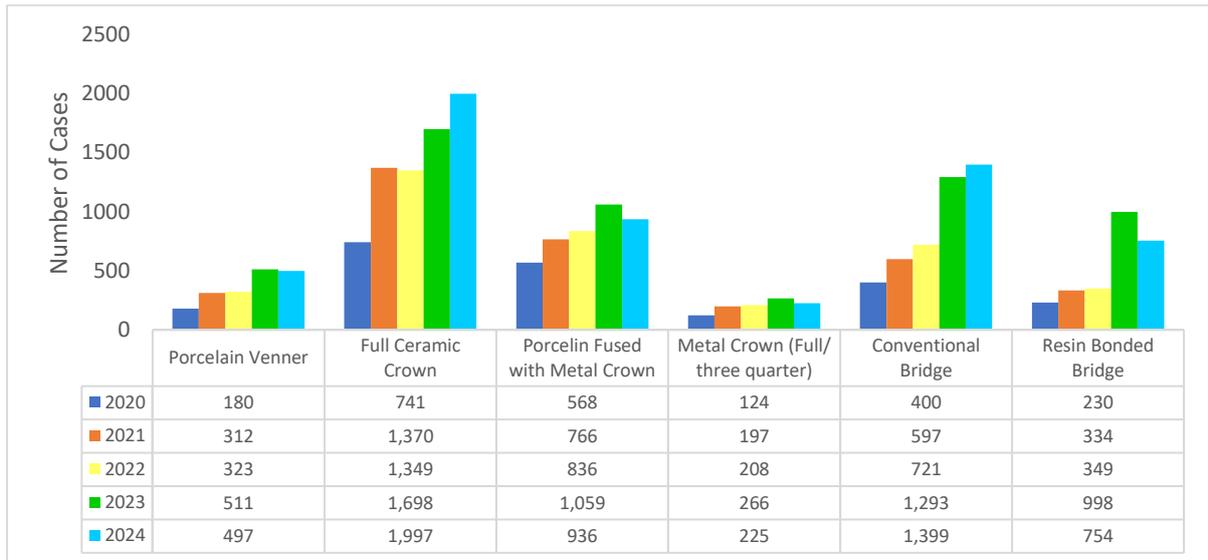


Figure 10.28 Types of Extra-Coronal Restorations Cases Done, 2020-2024

In 2024, the highest number of endodontic treatments done were newly obturated anterior and posterior teeth (10,633) with 8.57% increase as compared to year 2023 (9,794) (**Figure 10.29**).

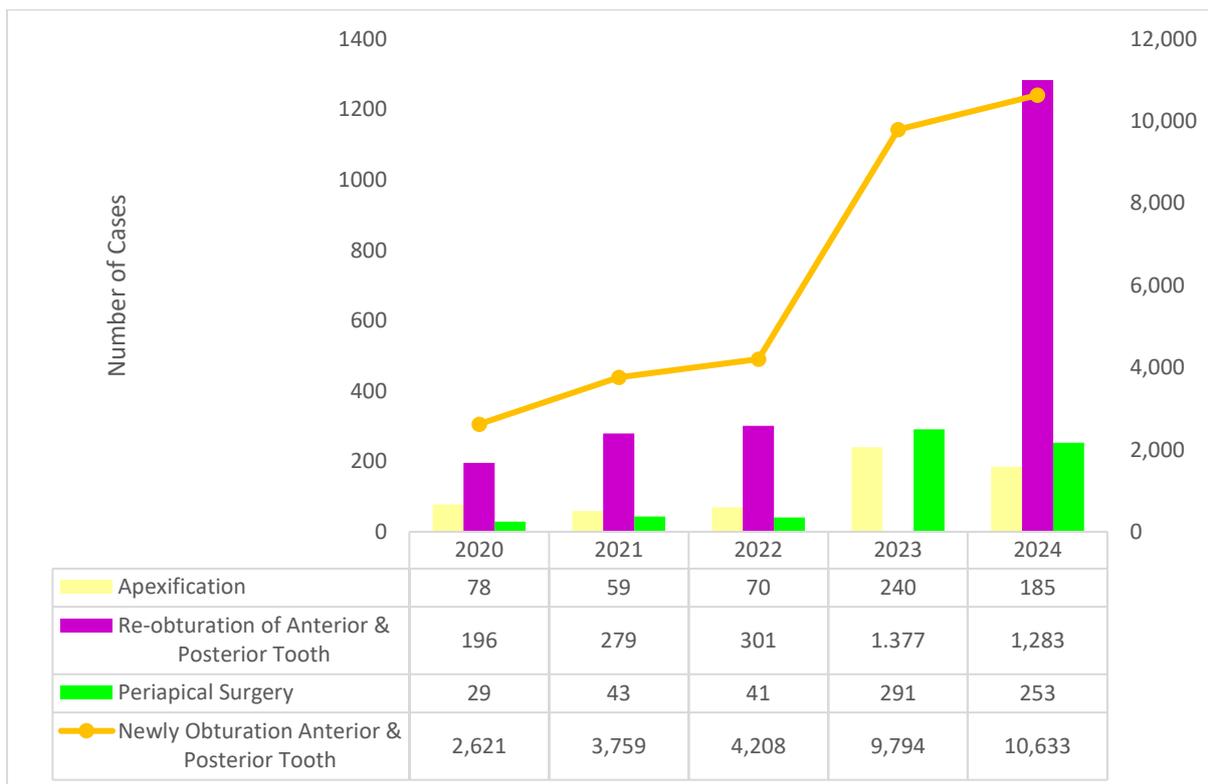


Figure 10.29 Types of Endodontic Treatments, 2020-2024

From 2023 to 2024, surgical implant placement cases decreased by approximately 6.16%, and prosthesis cases decreased by approximately 34.40% (**Figure 10.30**).

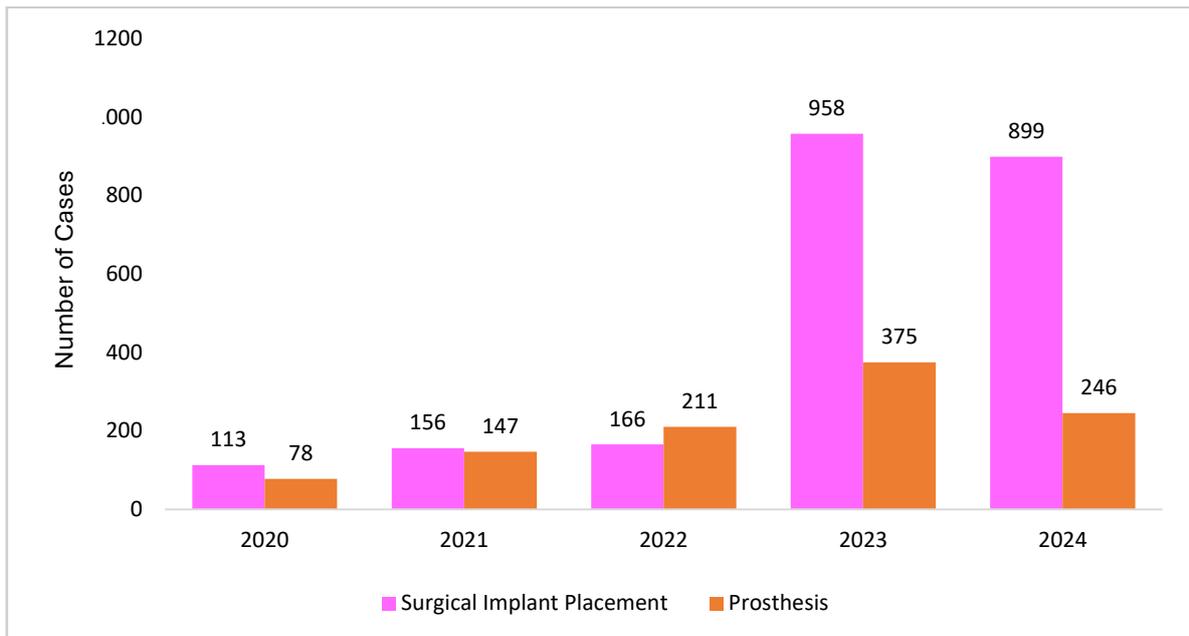


Figure 10.30 Number of Surgical Implant Placement and Prosthesis, 2020-2024

The highest number of prosthesis done by RESD in 2024 was acrylic partial dentures (1,590). Overall, there were decreasing trends in all types of prosthesis except for acrylic partial dentures compared to the year 2023 (**Figure 10.31**).

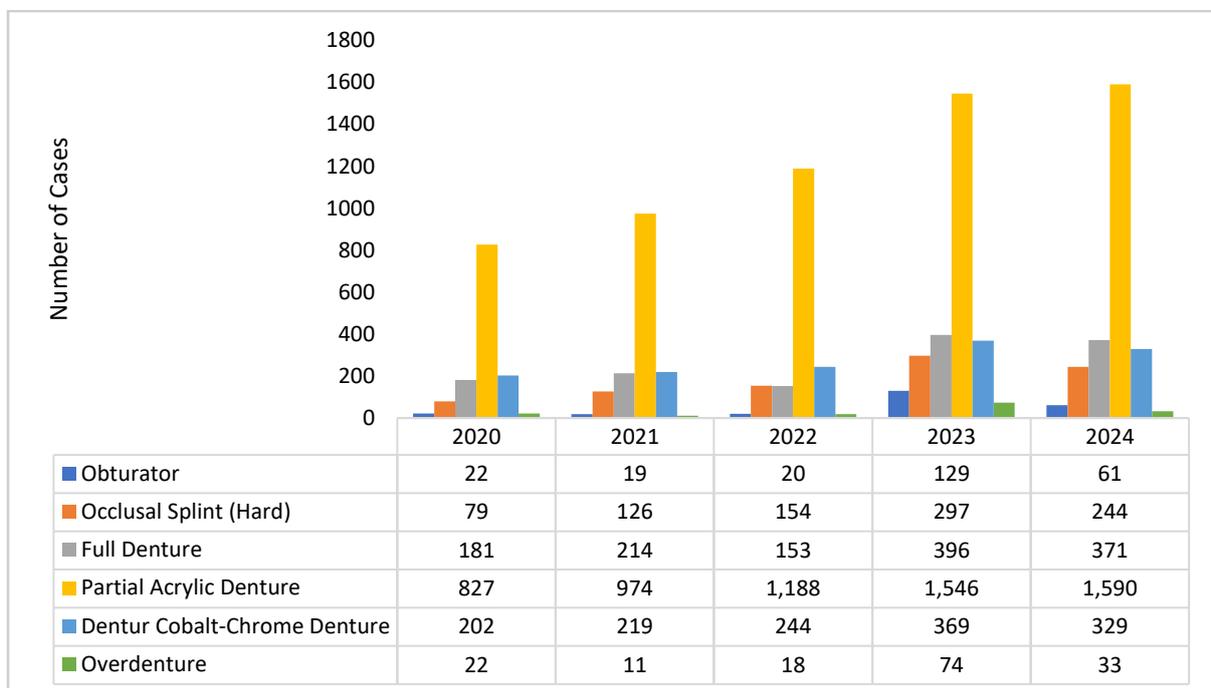


Figure 10.31 Types of Prosthesis Produced by Restorative Dentistry Specialists, 2020-2024

RESTORATIVE DENTISTRY (RESD) CLUSTER SERVICES

In 2024, the RESD cluster service was expanded to one (1) new non-lead dental clinic which was KP Kulim, Kedah. Number of patients decreased by 34.48 % for KP Semporna, Sabah and 36.84% for KP Baling, Kedah respectively as compared to 2023. For KP Sandakan, cluster service was discontinued as a permanent Restorative Dentistry Specialist was placed at the clinic in 2022 (**Figure 10.32**).

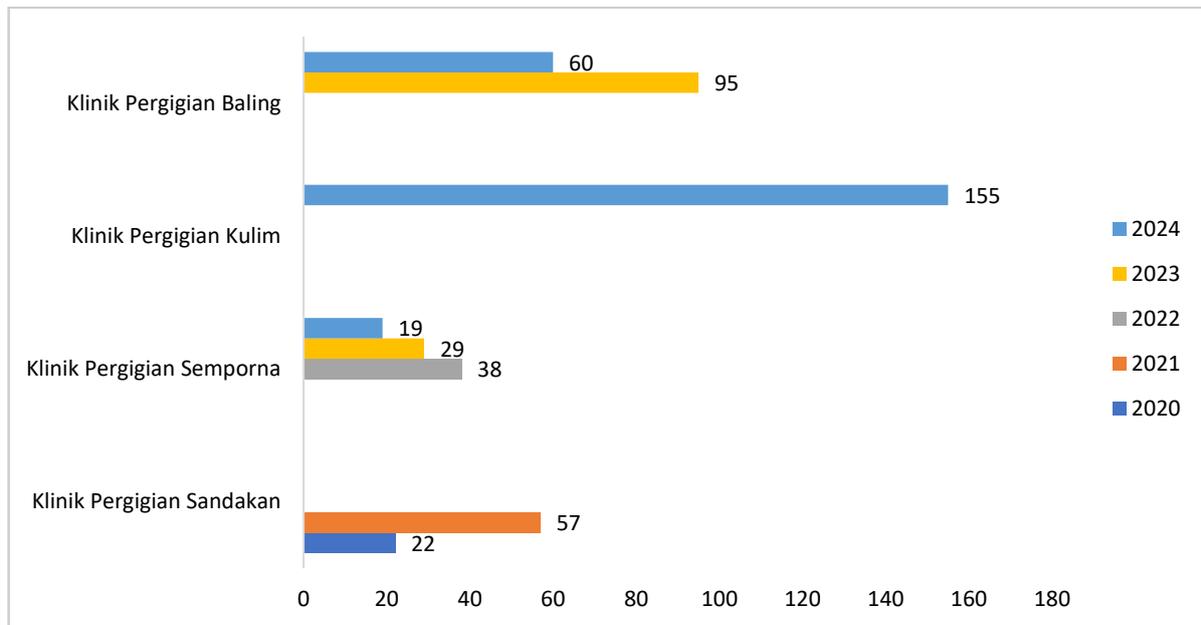


Figure 10.32 Number of Patients Seen from Restorative Dentistry Cluster Service, 2020-2024

DENTAL PUBLIC HEALTH (DPH)

Dental Public Health Specialists (DPHS) in MOH Malaysia are instrumental in shaping and implementing public health policies, managing programs, conducting research, and advocating for legislative changes. They work to improve the oral health of populations through education, collaboration, and leadership, ensuring high standards of care and addressing the broader social determinants of health.

The continuous evolution of clinical prevention and oral health promotion aspects within the DPHS role is embodied in the Dental Public Health Specialist Unit (DPHSU), which was initiated in 2021. The DPHSU extended its services by having DPHS visit three (3) facilities: Klinik Pakar Pergigian Kota Setar (Kedah), Klinik Pergigian Bandar Botanik (Selangor), and Klinik Pergigian Kuala Sungai Baru (Melaka). At present, the number of DPHS available for permanent placement at the DPHSU is very limited.

In 2024, all three dental clinics reported an increase in patient numbers compared to 2023, as shown in **Figure 10.33**.

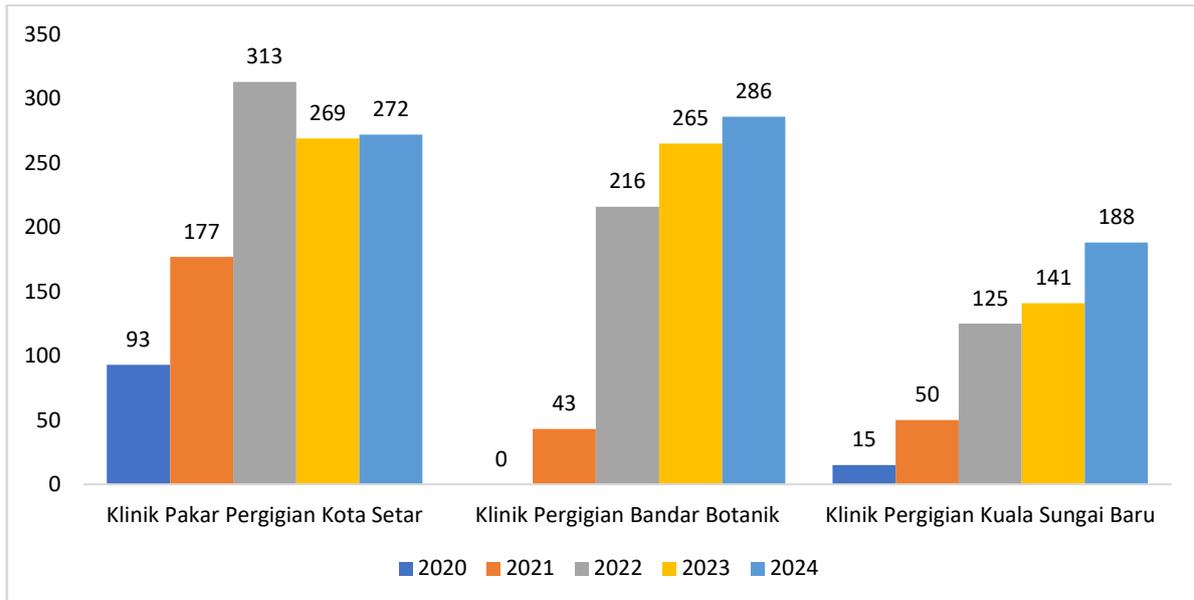


Figure 10.33 Number of Patients Seen by Dental Public Health Specialists, 2020-2024

From 2023 to 2024, there was a significant decrease in various types of dental treatments. Management of risky habits showed a significant decrease of approximately 46.25%. Clinical prevention treatments rose by about 14.46%, while curative procedures increased by 40.36%. Behaviour modification treatments showed reduction from 1,213 in 2023 to 1,163 in 2024, or 4.12% compared to 2023. Risk assessment treatments showed a decrease of 19.77% while oral health education also saw a slight decrease of 14.30% (Figure 10.34).

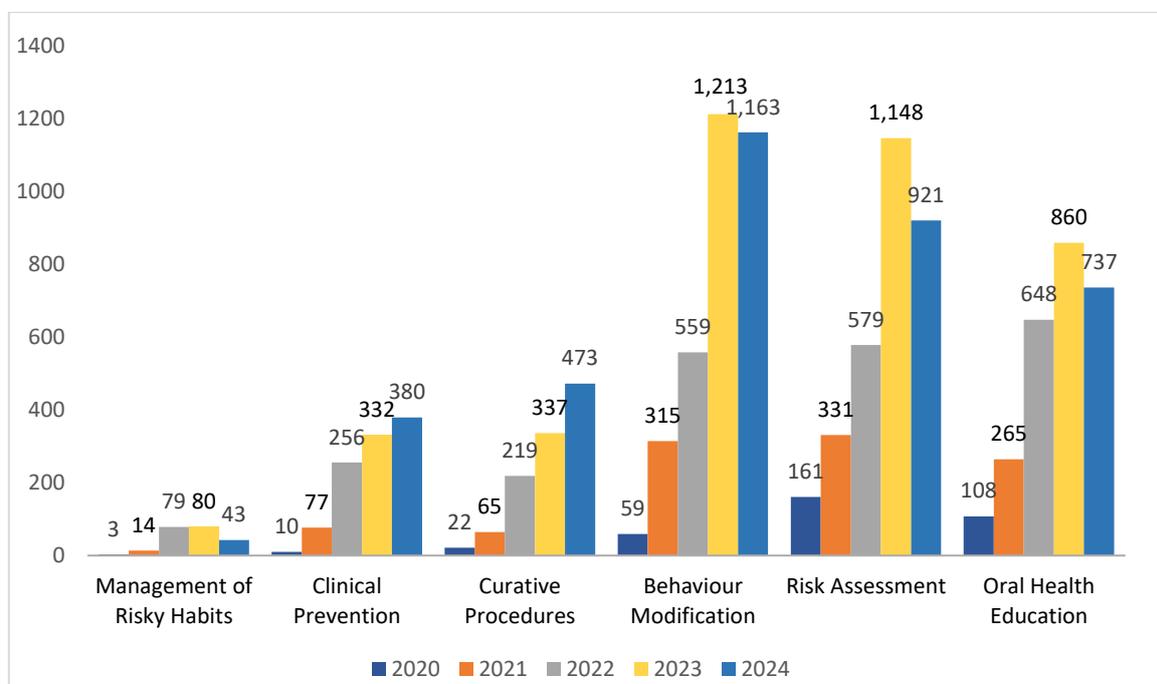


Figure 10.34 Type of Treatments Done by Dental Public Health Specialists, 2020-2024

Community Oral Healthcare Section

Optimistic

Holistic

Committed



*From left to right :
Dr. Siti Nur Fatimah binti Abdul Halim,
Ms. Masni binti Ishak
Dr. Ku Amirah binti Ku Haris,
Dr. Nuryastri binti Mustafa*

COMMUNITY ORAL HEALTHCARE

FLUORIDATION OF PUBLIC WATER SUPPLY

POPULATION COVERAGE

Water fluoridation of public water supplies is the controlled addition of fluoride compounds to the public water supply to achieve optimal concentration for dental caries prevention. The purpose of water fluoridation is to achieve mass prevention in reducing and controlling dental caries in large populations. Water fluoridation is a safe and effective public health intervention for caries prevention and has been implemented as a government policy since 1972. This programme has brought marked improvement in the oral health status of schoolchildren and adults in Malaysia. In 2024, 76.75% of the population had access to fluoridated water, while 23.25% did not benefit from this initiative (**Figure 11.1**). There has been an increase in water fluoridation coverage compared to the previous years, attributed to the expanded coverage in some districts of Sarawak such as Samarahan and Kuching.

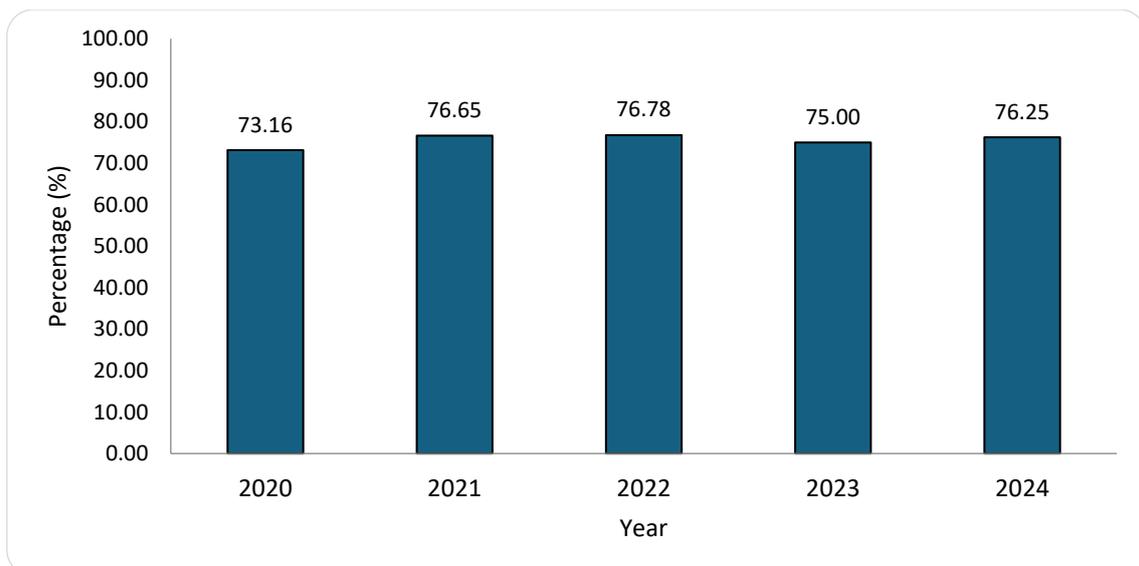


Figure 11.1 Population Coverage for Water Fluoridation Programme, 2020 to 2024

In most states with access to fluoridated water, the percentage of coverage had reached more than 90.00% with the exceptions of Sarawak (77.41%), Kelantan (16.16%), and Sabah (7.31%). While for Pahang and Perlis there are no coverage of fluoridated water, as depicted in **Figure 11.2**.

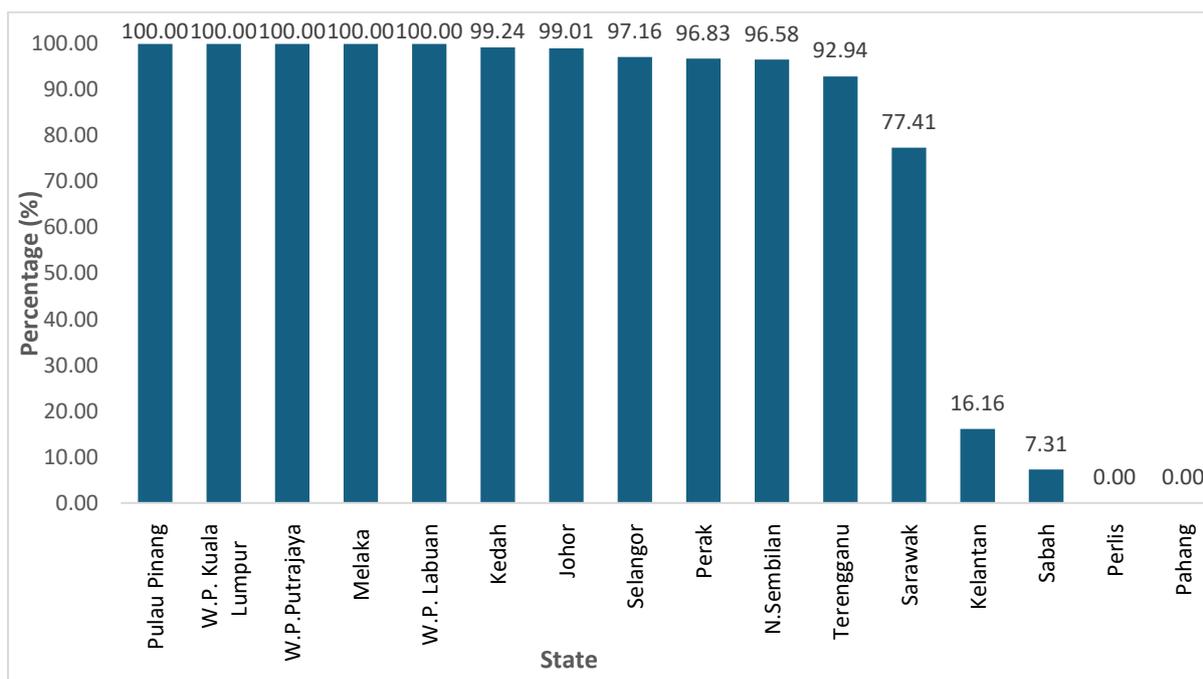


Figure 11.2 Percentage of Population Receiving Fluoridated Water by States, 2024

WATER TREATMENT PLANT (WTP)

At present, there are a total of 507 water treatment plants in Malaysia, of which 187 (36.88%) are owned by the government and 320 (63.12%) by private companies. WTPs owned by the government are in Perak, Sabah, Sarawak, and FT Labuan (**Table 11.1**).

Table 11.1 Water Treatment Plant by Sector, 2024

State	Government	Private	Total WTP
Perlis	0	3	3
Kedah	0	36	36
Pulau Pinang	0	8	8
Perak	41	4	45
Selangor	0	30	30
FT KL & Putrajaya	0	3	3
Negeri Sembilan	0	21	21
Melaka	0	11	11
Johor	0	47	47
Pahang	0	74	74
Terengganu	0	14	14
Kelantan	0	39	39
Sabah	70	14	84
Sarawak	72	15	87
FT Labuan	4	1	5
Malaysia	187	320	507

Of the feeders, only 248 (48.92%) are functioning and producing fluoridated water, whilst the remaining of 259 (51.08%) WTP are not equipped with functional fluoride feeders. The states of Pulau Pinang, Selangor, Federal Territory of Kuala Lumpur, Putrajaya, Melaka, and Johor generated 100.00% fluoridated water, as all the WTP were equipped with fluoride feeders (Table 11.2).

Table 11.2 WTP with Fluoride Feeders by States, 2024

State	No. of WTP	WTP with Functioning Fluoride Feeder	
		No.	Percentage (%)
Perlis	3	0	0
Kedah	36	34	94.44
Pulau Pinang	8	8	100.00
Perak	45	44	97.78
Selangor	30	30	100.00
FT KL & Putrajaya	3	3	100.00
Negeri Sembilan	21	19	90.48
Melaka	11	11	100.00
Johor	47	47	100.00
Pahang	74	0	0.00
Terengganu	14	13	92.86
Kelantan	39	4	10.26
Sabah	84	14	16.67
Sarawak	87	18	20.69
FT Labuan	5	3	60.00
Malaysia	507	248	48.92

MAINTAINING FLUORIDE LEVELS IN PUBLIC WATER SUPPLY

Maintenance of fluoride levels within the optimal range of 0.4-0.6 ppm is important to achieve maximum benefit for control and prevention of dental caries without compromising health and safety. In 2024, 84.41% of readings at reticulation points conformed to the recommended range. The percentage of conformance in the readings was higher in 2024 compared to 2023 (Figure 11.3).

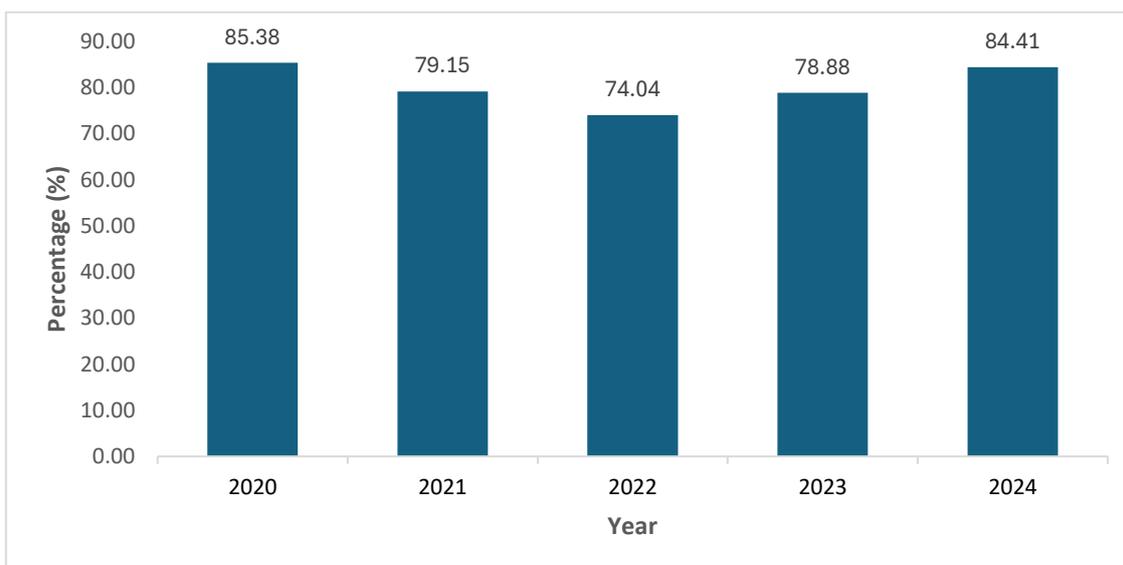


Figure 11.3 Percentage of Conformance of Fluoride Level in Public Water Supplies to the Recommended Range (0.4-0.6 ppm), 2020 to 2024

In 2024, the percentage of fluoride readings of more than 0.6 ppm was very small (0.38%) and none of the states exceeded the standard set in the National Indicator Approach (<7%). While, for the lower limit the standard was set at <25%, and it is reported that only 15.2% of the readings were below 0.4 ppm. States with high non-conformance total readings were Kelantan (93.14%), Sarawak (69.77%), and Terengganu (38.73%) (**Table 11.3**).

Table 11.3 Fluoride Level at Reticulation Points by State, 2024

State	Reticulation Points						
	Total Readings	Fluoride Readings					
		0.4-0.6 ppm		< 0.4 ppm		> 0.6 ppm	
		No.	%	No.	%	No.	%
Perlis	12	0	0.00	12	100.00	0	0.00
Kedah	911	884	97.04	26	2.85	1	0.11
Pulau Pinang	384	375	97.66	8	2.08	1	0.26
Perak	1,013	980	96.74	31	3.06	2	0.20
Selangor	713	713	100.00	0	0.00	0	0.00
FT KL & Putrajaya	140	140	100.00	0	0.00	0	0.00
Negeri Sembilan	456	456	100.00	0	0.00	0	0.00
Melaka	265	264	99.62	1	0.38	0	0.00
Johor	1,128	1,126	99.82	0	0.00	2	0.18
Pahang	288	1	1.02	287	98.98	0	0.00
Terengganu	519	318	61.27	200	38.54	1	0.19
Kelantan	117	8	6.84	108	92.30	1	0.85
Sabah	631	593	93.98	37	5.86	1	0.16
Sarawak	526	159	30.23	349	66.35	18	3.42
FT Labuan	86	51	59.30	35	40.70	0	0.00
Malaysia	7,189	6,068	84.41	1,094	15.21	27	0.38

CLINICAL PREVENTION FOR CARIES

FLUORIDE VARNISH PROGRAMME FOR TODDLERS

The fluoride varnish (FV) programme aims to reduce the prevalence and severity of dental caries among toddlers. For maximum impact, FV need to be applied four (4) times with an interval of six (6) months for each application. Therefore, the identified toddler will complete this programme within two (2) years. **Figure 11.4** shows the number of toddlers that received the first up to four (4) applications for both cohorts (2021 and 2022).

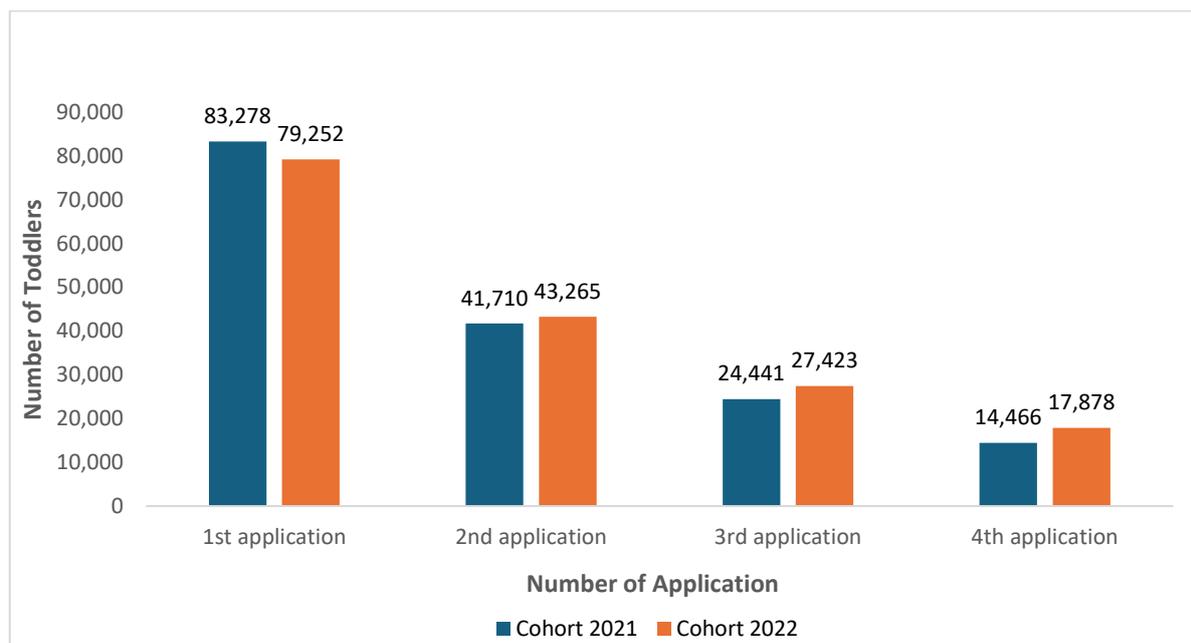


Figure 11.4 FV Application and Compliance Rate for 2021 and 2022 Cohorts

For cohort 2022, only 17,878 (22.56%) toddlers received four (4) times FV application. Whilst for cohort 2021, 14,466 (17.37%) toddlers received four (4) times FV applications. However, the percentage of toddlers that received four (4) applications was higher in cohort 2022 compared to 2021, demonstrating an increase in both the number of toddlers and the compliance rate for completing four FV applications in cohort 2022 (**Figure 11.4**).

In cohort 2021, four (4) states achieved more than 15% of four (4) times FV applications: Perak (22.09%), Selangor (43.68%), Negeri Sembilan (19.54%), and Pahang (38.25%). Meanwhile, for cohort 2022, the number of states with more than 15% of four (4) times FV applications increased to eleven (11) states across the country. The states that below 15% were Kedah (6.65%), Terengganu (14.17%), Sabah (13.87%), and Sarawak (1.55%).

Table 11.4 FV Application and Compliance Rate for 2022 Cohort

State	1 st Application		2 Times Application		3 Times Application		4 Times Application	
	No.	%	No.	%	No.	%	No.	%
Perlis	1,650	98.21	783	47.45	457	27.70	322	19.52
Kedah	4,122	100.00	1,263	30.64	541	13.12	274	6.65
Pulau Pinang	4,077	100.00	2,113	51.83	1,263	30.98	838	20.55
Perak	3,117	100.00	1,230	39.46	958	30.73	848	27.21
Selangor	2,655	100.00	1,947	73.33	1,632	61.47	1,438	54.16
FT KL & Putrajaya	1,134	97.67	923	81.39	670	59.08	489	43.12
Negeri Sembilan	2,031	100.00	1,241	61.10	793	39.04	424	20.88
Melaka	6,163	100.00	3,197	51.87	2,062	33.46	1,472	23.88
Johor	1,405	98.46	628	44.70	338	24.06	252	17.94
Pahang	10,815	99.96	8,661	80.08	6,800	62.88	5,462	50.50
Terengganu	15,697	100.00	7,517	47.89	3,673	23.40	2,224	14.17
Kelantan	14,742	98.79	7,662	51.97	4,342	29.45	2,444	16.58
Sabah	9,503	100	5,752	60.53	3,757	39.53	1,318	13.87
Sarawak	1,872	97.5	192	10.26	59	3.15	29	1.55
FT Labuan	269	100	156	57.99	78	29.00	44	16.36
Malaysia	79,252	99.61	43,265	54.59	27,423	34.60	17,878	22.56

Table 11.5 FV Application and Compliance Rate for 2021 Cohort

State	1 st Application		With 2 times application		With 3 times application		With 4 times application	
	No.	%	No.	%	No.	%	No.	%
Perlis	1,224	99.59	575	46.98	310	25.33	183	14.95
Kedah	3,089	100.00	1,025	33.18	509	16.48	238	7.70
Pulau Pinang	4,423	100.00	1,776	40.23	837	18.96	486	11.01
Perak	4,065	100.00	1,434	35.28	1,125	27.68	898	22.09
Selangor	3,178	100.00	2,373	74.67	1,839	57.87	1,388	43.68
FT KL & Putrajaya	1,948	99.85	915	46.97	460	23.61	199	10.22
Negeri Sembilan	2,334	100.00	1,231	52.74	825	35.35	456	19.54
Melaka	6,367	98.99	2,525	39.66	1,221	19.18	526	8.26
Johor	1,651	93.49	735	44.52	409	24.77	218	13.20
Pahang	14,218	99.01	11,168	78.55	7,550	53.1	5,439	38.25
Terengganu	11,854	100.00	4,546	38.35	2,152	18.15	802	6.77
Kelantan	11,098	92.79	5,398	48.64	2,850	25.68	1,258	11.34
Sabah	15,796	99.33	7,698	48.73	4,288	27.15	2,338	14.8
Sarawak	1,784	98.51	208	11.66	24	1.35	1	0.06
FT Labuan	249	100.00	103	41.37	42	16.87	36	14.46
Malaysia	83,278	98.43	41,710	50.09	24,441	29.35	14,466	17.37

FISSURE SEALANT PROGRAMME

The school-based fissure sealant programme is a part of the school dental service. Sealant is a professionally applied material that is placed onto the pits and fissures of the occlusal, buccal, and lingual surfaces of posterior teeth to prevent the initiation of caries and to arrest the progression of caries by providing a physical barrier that inhibits microorganisms and prevents the collection of food particles in these pits and fissures. In 2024, a total of 140,431 schoolchildren received fissure sealants through the School-based Fissure Sealant Programme. Furthermore, there was an increase in the number of schoolchildren receiving Fissure Sealant (FS) compared to previous years (**Figure 11.5**).

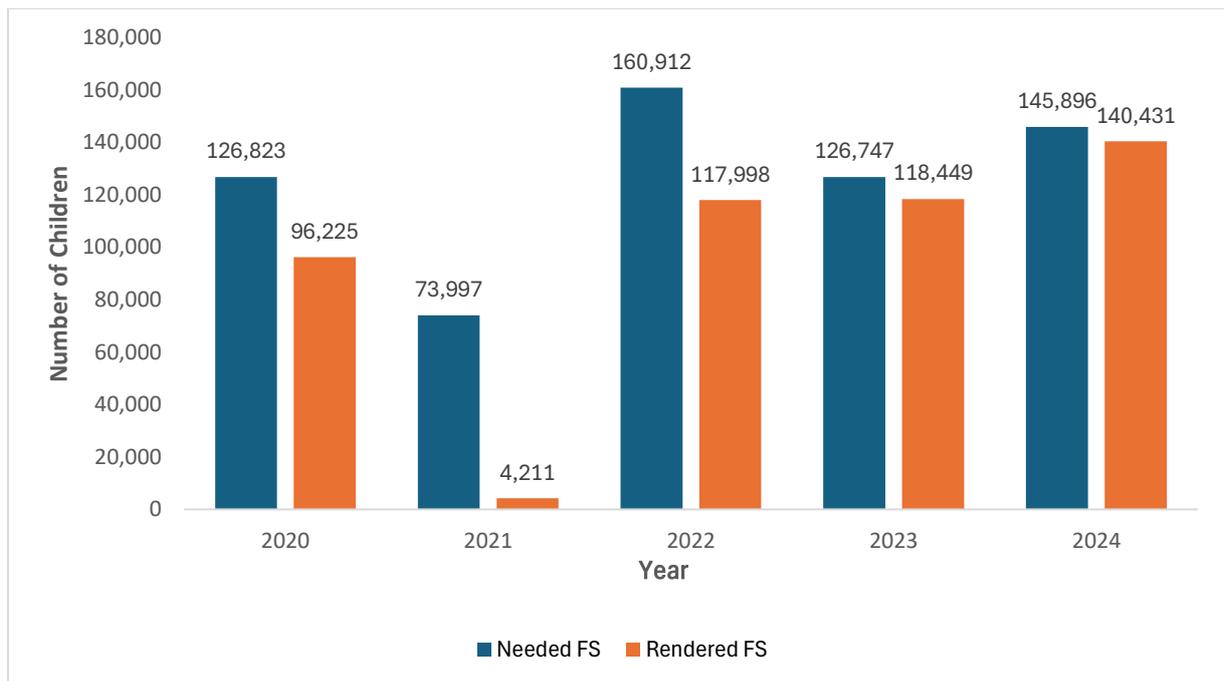


Figure 11.5 Treatment Need and Fissure Sealants Rendered, 2020 to 2024

Table 11.6 shows the number of children alongside the corresponding number of teeth provided FS by states. In 2024, the highest number of FS applications among children was recorded in Kelantan, totalling 44,401 schoolchildren, while the lowest was in Children’s Dental Center & Ministry of Health Training Institute (Dental) Georgetown, with 251 children rendered FS.

Table 11.6 Provision of Fissure Sealants by States, 2024

State	No. of Children			No. of Teeth		
	Needed FS	Rendered FS		Needed FS	Rendered FS	
	No.	No.	Percentage (%)	No.	No.	Percentage (%)
Perlis	1,034	1,009	97.58	1,671	1,623	97.13
Kedah	3,032	2,748	90.63	5,134	4,638	90.34
Pulau Pinang	3,326	3,223	96.90	6,426	6,245	97.18
Perak	6,084	5,857	96.27	11,137	10,697	96.05
Selangor	4,313	3,941	91.37	7,183	6,620	92.16
FT KL & Putrajaya	1,531	1,372	89.61	2,372	2,118	89.29
Negeri Sembilan	1,638	1,548	94.51	2,700	2,546	94.30
Melaka	4,554	4,416	96.97	8,177	7,901	96.62
Johor	4,139	3,580	86.49	6,933	6,071	87.57
Pahang	28,550	27,782	97.31	56,463	55,092	97.57
Terengganu	6,709	5,986	89.22	11,137	9,989	89.69
Kelantan	46,245	44,401	96.01	124,159	119,625	96.35
Children's Dental Center & Ministry of Health Training Institute (Dental) Georgetown	251	251	100.00	442	407	92.08
Sabah	24,910	18,706	75.09	58,655	44,754	76.30
Sarawak	8,996	7,889	87.69	15,571	13,582	87.23
FT Labuan	584	457	78.25	956	784	82.01
Malaysia	145,896	133,166	91.28	319,116	292,692	91.72

SCHOOL-BASED FLUORIDE MOUTH RINSING PROGRAMME

The school-based fluoride mouth rinsing (FMR) programme has been carried out since 2019 among Year One to Year Six school children in the selected schools in low or non-fluoridated water areas in Sabah, Sarawak, and Kelantan.

In 2024, from 121 schools, a total of 9,888 primary schoolchildren in Year 1, Year 2, and Year 3 were involved in the FMR programme (**Table 11.7a and b**). Sarawak had the highest number of schools (34) participating in the FMR programme in 2024, followed by Kelantan (29) and Sabah (28). Additionally, WP Labuan had initiated its involvement in the FMR programme involving 72 students in one school.

Table 11.7a Schools and Students Participating in Fluoride Mouth Rinsing Programme, 2020 to 2024

State	No. of Schools Participated						Total
	Kelantan	Sabah	Sarawak	Terengganu	Pahang	Labuan	
2020	32	44	20	0	0	0	96
2021	0	0	0	0	0	0	0
2022	33	25	16	0	0	0	74
2023	29	26	0	3	11	0	69
2024	29	28	34	3	26	1	121

Table 11.7b Schools and Students Participating in Fluoride Mouth Rinsing Programme, 2020 to 2024

State	No. of Student Involved						Total
	Kelantan	Sabah	Sarawak	Terengganu	Pahang	Labuan	
2020	2,682	18,250	2,807	0	0	0	23,739
2021	0	0	0	0	0	0	0
2022	1,696	10,623	1,111	0	0	0	13,430
2023	1,270	2,799	0	132	217	0	4,418
2024	2,340	5,497	1,162	212	605	72	9,888

OUTREACH PROGRAMMES

Outreach programmes are implemented to enhance coverage of oral healthcare services, to rural populations as well as marginalised and underprivileged communities in urban areas. To increase access to the oral healthcare, outreach services in the MOH mostly delivered using mobile dental teams, mobile dental clinics or mobile dental labs.

MOBILE DENTAL CLINICS (MDCI)

In 2024, there were 44 Mobile Dental Clinics/ *Klinik Pergigian Bergerak* (KPB) equipped with 63 Dental Arm Chair Units (DCCU). A total of 105,332 patients were seen and treated in KPB. The distribution of KPB is shown in **Table 11.8**. In 2024, three (3) KPB were not utilised due to breakdown in Sarawak, Sabah, and Selangor. The KPB in Selangor was categorised as beyond economical repair (BER). Additionally, in 2024, three (3) KPB were received, two (2) in Kelantan and one (1) in Pahang (**Table 11.8**).

Table 11.8 Distribution of Mobile Dental Clinic, 2024

State	Total MDCI	Location in State	Total DCCU	No. of Days Operated	Attendance
Perlis	1	Kangar	2	47	3,155
Kedah*	4	Kota Setar (a)	1	23	6,340
		Kota Setar (b)	1	18	
		Baling	2	31	
		Kulim (a)	1	9	

State	Total MDCI	Location in State	Total DCCU	No. of Days Operated	Attendance
		Kulim (b)	1	46	
		Kuala Muda	2	20	
Pulau Pinang	3	Timur Laut	1	22	7,745
		Seberang Perai Utara	2	55	
		Barat Daya	0	47	
Perak	3	Kinta	2	73	7,985
		Hilir Perak	2	130	
		Larut Matang	2	68	
Selangor	3	Gombak	2	0	9,977
		Petaling	2	74	
		Klang	2	130	
FT KL & Putrajaya	1	Kepong	2	68	3,908
Negeri Sembilan	2	Kuala Pilah	2	152	13,399
		Seremban	1	85	
Melaka	1	Melaka Tengah	2	90	3,401
Johor	4	Johor Bahru	2	32	12,051
		Muar	1	110	
		Kluang	1	22	
		Batu Pahat	0	72	
Pahang	4	Kuantan	1	147	8,767
		Maran	2	130	
		Kuala Lipis	1	127	
		Raub	1	8	
Terengganu*	2	Kuala Terengganu (a)	1	21	5,218
		Kuala Terengganu (b)	1	25	
		Kuala Nerus (a)	1	39	
		Kuala Nerus (b)	1	7	
Kelantan	5	Tanah Merah	0	99	6,379
		Kuala Krai	0	47	
		Kota Bharu	2	99	
		Bachok	1	1	
		Jeli	1	1	
FT Labuan	0	-	0	-	-
Sabah	3	Kota Kinabalu	2	128	7,106
		Tawau	2	0	
		Sandakan	2	78	
Sarawak	8	Kuching	1	117	9,901

State	Total MDCI	Location in State	Total DCCU	No. of Days Operated	Attendance
		Miri	1	0	
		Samarahan	1	173	
		Sibu	1	40	
		Sarikei	1	44	
		Limbang	1	132	
		Kuching	1	132	
		Bintulu	1	134	
Malaysia	46		63	3,153	105,332

Note: * State with MDCI of one (1) trailer head with two (2) containers.

MOBILE DENTAL LABORATORY (MDL)

Currently, there are only four (4) mobile dental laboratories (MDL) available in Malaysia, two (2) in Kelantan and one (1) each in Perak and Negeri Sembilan. A total of 513 full dentures and 354 partial dentures were produced by MDLs in 2024 (**Table 11.9**). However, the MDL stationed in Larut Matang & Selama, Perak had been out of service for a prolonged period of ten (10) months due to mechanical failure and equipment damage.

Table 11.9 Information on Mobile Dental Laboratory, 2024

State	Total MDL	Location in State	No of Days Operated	Attendance		Denture	
				New	Repeat	Full	Partial
Perak	1	Larut Matang & Selama	0	0	0	0	0
Kelantan	2	Gua Musang	242	60	0	57	36
		Tanah Merah	139	305	0	329	211
Negeri Sembilan	1	Seremban	168	132	446	127	117
Malaysia	4	Total	549	497	446	513	364

URBAN TRANSFORMATION CENTRE (UTC)

In 2024, there were 22 dental clinics operating at the UTCs in the country (**Table 11.10**). A total of 255,783 patients attended UTC dental clinics in 2024 compared to 240,279 in 2023.

Table 11.10 Oral Health Services at Urban Transformation Centres (UTCs), 2020 to 2024

Year	Dental Clinics at UTCs		Patient Attendances
	Total UTC	Location	
2020	22	Ayer Keroh Melaka, Pudu Sentral, Kompleks MBAS Alor Setar, Ipoh, Mini Sentul, Kuantan, Kota Kinabalu, Galeria Johor, Kuching Sarawak, Sungai Petani Kedah, Labuan, Sibu Sarawak, Miri Sarawak, Terengganu, Tawau Sabah,	161,184

Year	Dental Clinics at UTCs		Patient Attendances
	Total UTC	Location	
		Kota Bharu Kelantan, Keningau Sabah, Kangar Perlis, Seremban Negeri Sembilan, Pasir Gudang Johor, Shah Alam Selangor, Keramat, Komtar Penang	
2021	23	Same as 2020	120,946
2022	23	Same as 2020	197,578
2023	22	Same as 2020, excluding Keramat	240,279
2024	22	Same as 2023	255,783

RURAL TRANSFORMATION CENTRE (RTC)

In 2024, there were five (5) RTCs with oral health services component in Perak, Kelantan, Pahang, Melaka and Sarawak. In 2024, patient attendance had increased 0.16% compared to 2023 (**Table 11.11**).

Table 11.11 Oral Health Services in Rural Transformation Centres (RTCs), 2020 to 2024

Year	Dental Clinics at RTCs		Patient Attendances
	Total RTC	Location	
2020	6	Tunjung, Pekan, Jitra, Sibuti, Mid Layar, Sungai Rambai	8,777
2021	5		8,060
2022	5	Tunjung, Sungai Rambai, Kuala Pahang, Sibuti, Mid Layar	9,924
2023	5		14,155
2024	5		14,178

ORAL HEALTH SERVICES AT ELDERLY AND SPECIAL NEEDS INSTITUTIONS

The Outreach Oral Healthcare Programme was implemented at elderly and special needs institutions, including Pusat Pemulihan Dalam Komuniti (PDK) and non-PDK facilities, through mobile dental teams/clinics to deliver oral healthcare to these designated populations.

In 2024, 8,774 elderly patients were examined in 339 elderly institutions. Johor recorded the highest number of institutions visited, with 1,531 patients examined across all 77 institutions, while Kelantan reported the lowest, with 75 patients examined from one (1) institution (**Table 11.12**).

Table 11.12 Number of Elderly Institutions and Patients Seen, 2024

State	Rumah Seri Kenangan			Others Elderly Institutions		
	No. of Institutions Visited	Total Residents	Total Patients Seen	No. of Institutions Visited	Total Residents	Total Patients Seen
Perlis	1	95	93	3	31	31
Kedah	0	0	0	18	472	377
Pulau Pinang	0	0	0	41	1,632	1,478
Perak	3	323	305	63	1,479	1,461
Selangor	2	310	229	44	1,012	786
FT KL & Putrajaya	0	0	0	11	320	285
Negeri Sembilan	1	103	80	16	395	361
Melaka	1	121	121	10	140	127
Johor	2	26	22	75	2,064	1,509
Pahang	0	0	0	24	530	443
Terengganu	1	78	34	4	199	139
Kelantan	1	84	75	0	0	0
Sabah	0	0	0	11	407	344
Sarawak	2	87	84	5	169	133
FT Labuan	0	0	0	0	0	0
Malaysia	14	1,227	1,043	325	8,866	7,431

There were 644 special needs institutions visited in 2024, and 14,487 patients were seen. The highest coverage for special needs institutions was in Johor (82) with 2,148 patients seen, while the lowest is in FT Labuan, 63 students seen from three (3) institution (**Table 11.13**).

Table 11.13 Number of Special Needs Institutions and Patients Seen, 2024

State	PDK			Non-PDK		
	No. of Institutions Visited	Total Enrolment	Total Patients Seen	No. of Institutions Visited	Total Enrolment	Total Patients Seen
Perlis	11	303	157	0	0	0
Kedah	43	1,433	956	5	232	168
Pulau Pinang	31	1,100	951	6	283	245
Perak	38	721	543	23	581	439
Selangor	54	1,756	1,103	6	475	249
FT KL & Putrajaya	13	494	366	0	0	0
Negeri Sembilan	44	1,080	980	1	43	39
Melaka	17	601	494	5	105	96
Johor	75	2,183	1,552	7	697	596

State	PDK			Non-PDK		
	No. of Institutions Visited	Total Enrolment	Total Patients Seen	No. of Institutions Visited	Total Enrolment	Total Patients Seen
Pahang	52	1,217	795	8	190	135
Terengganu	47	1,637	1,036	0	0	0
Kelantan	44	1,081	794	1	60	35
Sabah	38	1,692	1,103	18	388	298
Sarawak	49	1,544	1,043	5	769	257
FT Labuan	2	84	55	1	358	8
Malaysia	558	16,772	11,818	86	4,321	2,669

OUTREACH SERVICES AT PEOPLE'S HOUSING PROGRAMME (PPR)

This initiative started in 2018, targeting the marginalised socio-economically disadvantage population. The oral health services provided are oral health promotion, prevention, and dental treatment. In 2024, a total of 78 PPRs were visited with 4,802 patients received oral healthcare services. The percentage of case completion among these patients was 39.63% (Table 11.14).

Table 11.14 Outreach Services at People's Housing Programme (PPR), 2024

States	No. of PPRs Visited	No. of Patients Seen	Percentage Case Completion (%)
Perlis	3	250	48.40
Kedah	9	530	39.62
Pulau Pinang	3	90	45.56
Perak	7	370	45.14
Selangor	4	160	61.25
FT KL & Putrajaya	2	335	55.22
Negeri Sembilan	2	152	60.53
Melaka	3	159	47.80
Johor	3	144	55.56
Pahang	10	429	46.15
Terengganu	1	95	30.53
Kelantan	3	208	39.90
FT Labuan	0	0	0.00
Sabah	21	1,375	26.91
Sarawak	7	505	30.30
Total	78	4,802	39.63

KAMPUNG ANGKAT (FOSTER VILLAGE) PROGRAMME

In 2017, *Kampung Angkat Pergigian* programme was initiated in Negeri Sembilan to strengthen the oral health promotion activity through community events and home visits. It was implemented nationwide in 2022. This programme aims to increase accessibility of oral health services to the rural communities. The oral health services provided including oral

health promotion, prevention, and dental treatment. In 2024, a total of 359 identified village visited, and 18,545 patients received dental check-up or treatment. The percentage of case completion among these patients was 42.76% (Table 11.15).

Table 11.15 Kampung Angkat Pergigian by State, 2024

States	No. of Kampung Angkat Visited	No. of Patients Seen	Percentage Case Completion (%)
Perlis	3	327	42.81
Kedah	37	1,733	35.78
Pulau Pinang	36	1,404	53.56
Perak	28	1,122	47.77
Selangor	25	1,229	47.44
FT KL & Putrajaya	5	635	54.65
Negeri Sembilan	36	1,171	66.61
Melaka	21	1,311	52.94
Johor	24	1,002	40.32
Pahang	32	2,067	44.51
Terengganu	16	1,244	40.84
Kelantan	28	1,189	35.24
FT Labuan	1	115	60.87
Sabah	38	2,499	29.21
Sarawak	29	1,497	28.52
Total	359	18,545	42.76

ORANG ASLI AND PENAN PROGRAMME

In 2022, provision of oral health services to the Orang Asli and Penan community was identified as one of the indicators in National Oral Health Strategic Plan 2022-2030. In 2024, the oral health coverage of Orang Asli & Penan in Malaysia was 32.69%. Only nine (9) states have Orang Asli communities, and one (1) state, (Sarawak) had Penan community (Table 11.16). The oral health services to Orang Asli and Penan are also being provided by NGOs and other agencies such as the Ministry of Higher Education and the Ministry of Defence.

Table 11.16 Number of Orang Asli and Penan Patients Seen by States, 2024

States	Population of Orang Asli and Penan*	No. of Patients Seen	Percentage Coverage (%)
Perlis		21	
Kedah	331	226	68.28
Pulau Pinang		55	
Perak	61,589	19,224	31.21
Selangor	21,691	8,912	41.09
FT KL&WP		301	
Negeri Sembilan	12,477	4,771	38.24
Melaka	2,033	1,146	56.37
Johor	16,524	4,955	29.99

States	Population of Orang Asli and Penan*	No. of Patients Seen	Percentage Coverage (%)
Pahang	80,620	25,978	32.22
Terengganu	1,050	388	36.95
Kelantan	18,900	5,348	28.30
Sabah		163	
Sarawak	14,325	3,545	24.75
FT Labuan		9	
Malaysia	229,540	75,042	32.69

*Jabatan Kemajuan Orang Asli dan Penemuan Banci Penduduk dan Perumahan Malaysia 2020

YOUNG ADULT IN LEARNING INSTITUTIONS

Young adults in learning institutions remain a key focus group in outreach oral healthcare services. In 2024, Selangor examined the highest number of young adults (6,637), and 73.36% of them completed their dental treatment under this programme. Perlis had the least young adults examined but slightly higher treatment completion rate at 78.35%. In terms of dental health, Selangor had the highest percentage of young adults with caries free status (69.55%), while Sabah had the lowest, with only 26.28% of those examined found to be caries-free as shown in **Table 11.17**.

Table 11.17 Oral Health Status of Young Adult in Learning Institutions by States, 2024

States	New Attendance	Percentage Case Completion (%)	Percentage of Caries-Free (%)
Perlis	753	78.35	52.99
Kedah	3,993	60.73	57.50
Pulau Pinang	3,997	69.63	56.62
Perak	6,206	80.79	62.05
Selangor	6,637	73.36	69.55
FT KL & Putrajaya	890	80.22	57.87
Negeri Sembilan	2,038	77.58	63.49
Melaka	2,629	74.71	59.22
Johor	5,052	70.43	63.58
Pahang	2,994	61.59	40.75
Terengganu	2,621	51.62	35.64
Kelantan	6,273	50.41	32.12
FT Labuan	695	64.46	33.53
Sabah	4,920	36.89	26.28
Sarawak	2,415	62.86	48.45
Total	52,113	64.55	51.56

PEMASYARAKATAN PERKHIDMATAN KLINIK PERGIGIAN SEKOLAH (PPKPS)

PPKPS was introduced in 2022 at 35 school dental clinics as a pilot project as one of the strategies to increase utilisation of oral health services in Malaysia. In 2024 there were 159 PPKPS across the country. A total of 6,311 teachers, support staff and their family had received oral health services from PPKPS initiatives. Number of schools with PPKPS and attendance by state are shown in **Figure 11.6**.

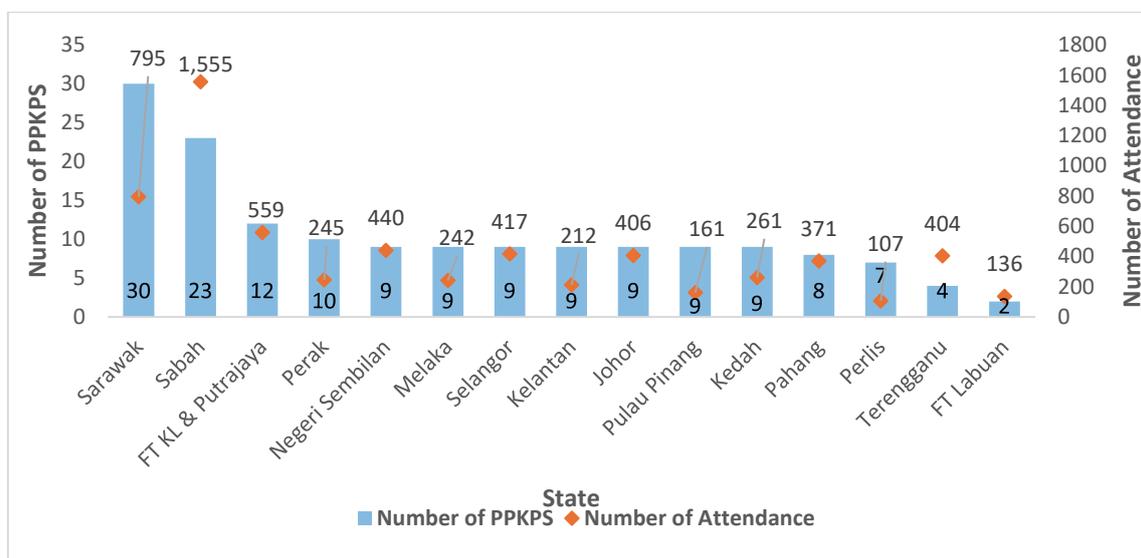


Figure 11.6 Number of PPKPS and Attendance, 2024

ORAL HEALTHCARE FOR PRESCHOOL CHILDREN

In 2024, there were a total of 22,287 preschools visited, comprised of 16,790 governments and 5,497 privates. In 2024, coverage of government preschools were 74.81% and private preschools were 24.49% as shown in **Table 11.18**.

Table 11.18 Coverage of Preschools, 2020 to 2024

Year	Total Preschool	Total Preschools Covered	No. of Government Preschools Covered	No. of Private Preschools Covered	Government Preschools Covered (%)	Private Preschools Covered (%)
2020	22,254	22,254	16,915	5,339	50.52	13.29
2021	24,110	24,110	18,557	5,553	23.84	8.72
2022	24,380	24,380	18,935	5,445	65.03	18.58
2023	22,199	21,353	16,537	4,816	74.49	21.69
2024	22,445	22,287	16,790	5,497	74.81	24.49

Table 11.19 shows the coverage of preschools by states; Johor had the highest number of preschools (2,703) followed by Selangor (2,543) and Sarawak (2,472). States with the least number of preschools were Labuan (83) and Perlis (340).

Table 11.19 Coverage of Preschools, by States, 2024

State	Total Preschools	Total Government Preschools	Total Private Preschools	Government Preschools Covered	Private Preschools Covered
Perlis	340	254	86	253	84
Kedah	1,673	1,347	326	1,347	325
Pulau Pinang	843	569	274	569	273
Perak	2,104	1,436	668	1,435	666
Selangor	2,543	1,507	1036	1,507	1035
FT KL & Putrajaya	652	405	247	405	238
Negeri Sembilan	910	709	201	709	200
Melaka	795	576	219	575	218
Johor	2,703	2,071	632	2,068	627
Pahang	1,632	1,261	371	1,261	371
Terengganu	1,585	1,235	350	1,235	348
Kelantan	1,675	1,212	463	1,211	462
FT Labuan	83	64	19	64	19
Sabah	2,435	2,068	367	2,049	356
Sarawak	2,472	2,166	306	2,102	275
Malaysia	22,445	16,880	5,565	16,790	5,497

Out of 615,609 preschool children, 96.04% (591,243) were covered in 2024. In general, more than 95% of preschool children were covered for all states except Sabah (91.42%) (Table 11.20).

Table 11.20 Coverage of Preschool Children, by States, 2024

State	Estimated Enrolment of Preschool Children	No. of Preschool Children Covered	Percentage of Preschool Children Covered (%)
Perlis	7,577	7,527	99.34
Kedah	41,816	40,137	95.98
Pulau Pinang	22,726	22,458	98.82
Perak	53,663	52,270	97.40
Selangor	91,149	85,573	93.88
FT KL & Putrajaya	25,098	24,090	95.98
Negeri Sembilan	23,564	23,100	98.03
Melaka	22,593	22,191	98.22
Johor	70,382	68,356	97.12
Pahang	42,162	41,521	98.48
Terengganu	42,634	40,944	96.04
Kelantan	47,770	46,868	98.11
FT Labuan	2,985	2,869	96.11
Sabah	69,816	63,829	91.42
Sarawak	51,674	49,510	95.81
Malaysia	615,609	591,243	96.04

ORAL HEALTHCARE FOR SCHOOLCHILDREN

PRIMARY SCHOOLCHILDREN

The percentage of primary schools covered had increased in 2024 (99.87%) compared to (99.63%) in 2023 (**Table 11.21**). For 2024, a school was considered covered when the schoolchildren were examined regardless of treatment status. In contrast to the previous years, when a school was considered covered only when 90% of the schoolchildren were rendered case complete.

Table 11.21 Coverage of Primary Schools, 2020 to 2024

Year	Total No. of Primary Schools	No. of Primary Schools Covered	Primary Schools Covered (%)
2020	7,851	2,274	28.96
2021	7,860	110	1.40
2022	7,853	7,197	91.65
2023	7,859	7,830	99.63
2024	7,869	7,859	99.87

Coverage of primary schools by states is shown below in **Table 11.22**.

Table 11.22 Percentage of Primary Schools Covered by States, 2020 to 2024

State	Percentage Primary Schools Covered (%)				
	2020	2021	2022	2023	2024
Perlis	100.00	100.00	46.00	100.00	100.00
Kedah	27.49	15.34	33.21	99.82	100.00
Pulau Pinang	25.56	0.00	73.23	100.00	100.00
Perak	35.36	1.87	82.77	99.88	100.00
Selangor	22.07	0.00	23.76	99.10	100.00
FT KL & Putrajaya	26.67	0.95	72.12	99.04	100.00
Negeri Sembilan	25.36	0.00	31.53	99.44	100.00
Melaka	38.49	0.00	73.64	100.00	100.00
Johor	35.05	0.00	77.89	99.45	100.00
Pahang	33.15	1.07	68.57	100.00	100.00
Terengganu	17.33	0.00	14.02	100.00	100.00
Kelantan	24.07	0.00	29.17	100.00	100.00
FT Labuan	47.06	4.55	94.44	100.00	100.00
Sabah	32.40	0.00	16.00	99.07	100.00
Sarawak	20.71	0.00	33.99	99.84	99.21
Malaysia	28.96	1.40	45.93	99.63	99.87

In 2024, the coverage of primary schoolchildren rose to 98.38% from 95.51% in 2023 (**Table 11.23**).

Table 11.23 Coverage of Primary Schoolchildren, 2020 to 2024

Year	Enrolment of Primary Schoolchildren	No. of Primary Schoolchildren Covered	Percentage of Coverage (%)
2020	2,735,590	1,214,270	44.38
2021	2,763,559	150,436	5.44
2022	2,781,193	2,315,432	83.25
2023	2,780,018	2,655,200	95.51
2024	2,774,738	2,729,756	98.38

More than 96.0% of primary schoolchildren in all states received primary oral healthcare in 2024, where Selangor (547,087) had the highest number of students covered (**Figure 11.7**).

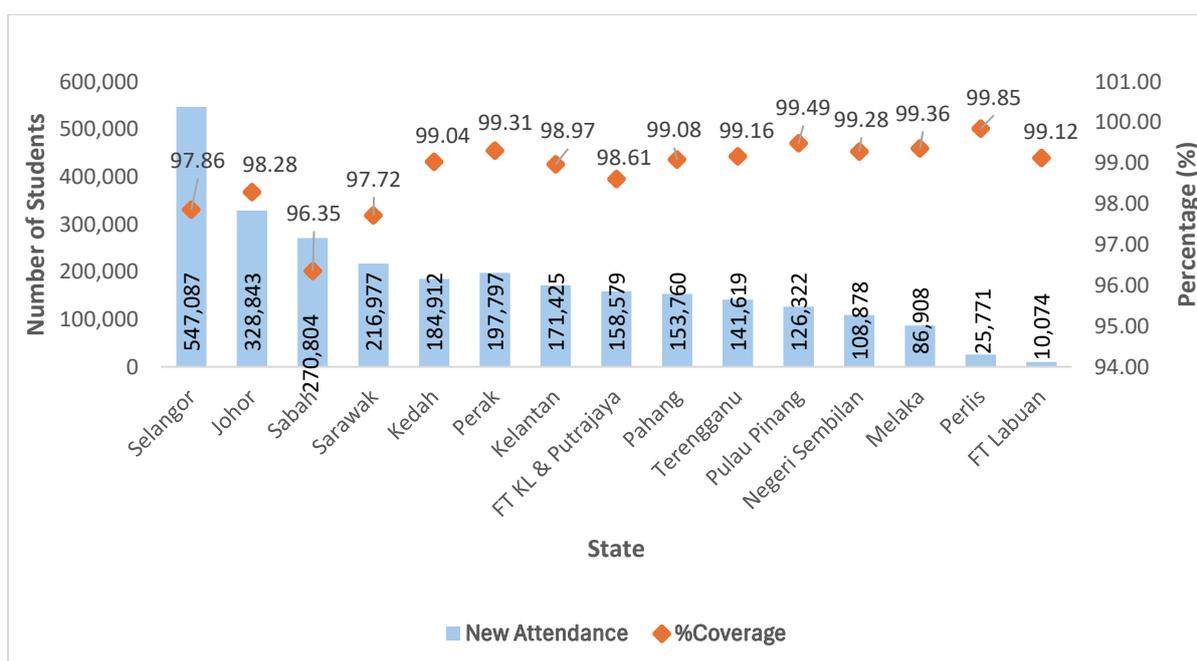


Figure 11.7 Number and Percentage of Primary Schoolchildren Received Primary Oral Healthcare by States, 2024

Out of 2,729,756 schoolchildren examined in 2024, 92.48% were rendered orally fit, and 57.11% No Treatment Required (NTR) (**Table 11.24**).

Table 11.24 Percentage of Primary Schoolchildren Orally Fit and NTR 2020 to 2024

Year	New Attendance	Percentage Case Completion	Percentage NTR
2020	1,214,270	81.70	60.08
2021	150,436	56.47	40.17
2022	2,315,432	80.91	53.87
2023	2,655,200	89.83	54.87
2024	2,729,756	92.48	57.11

In 2024, Perlis (98.43%) achieved the highest percentage of case completion among the schoolchildren. Negeri Sembilan had the highest percentage of NTR (70.15%) (Table 11.25).

Table 11.25 Oral Health Status of Primary Schoolchildren by States, 2024

States	New Attendance	Percentage Case Completion (%)	Percentage NTR (%)
Perlis	25,771	98.43	68.48
Kedah	184,912	84.69	58.06
Pulau Pinang	126,322	97.36	62.39
Perak	197,797	97.47	54.78
Selangor	547,087	95.15	67.23
FT KL & Putrajaya	158,579	97.42	69.27
Negeri Sembilan	108,878	96.62	70.15
Melaka	86,908	98.30	52.06
Johor	328,843	95.29	64.07
Pahang	153,760	97.24	47.42
Terengganu	141,619	90.29	40.81
Kelantan	171,425	95.71	39.66
FT Labuan	10,074	95.51	42.28
Sabah	270,804	79.00	46.06
Sarawak	216,977	84.17	50.32
Malaysia	2,729,756	92.48	57.11

The gingival health status of primary schoolchildren was assessed based on the Gingival Index for Schoolchildren (GIS) 2013 Guidelines. It was found that 85.15% of primary schoolchildren had a GIS score of 0 (no gingivitis and no calculus) in 2024. The distribution of GIS scores for primary schoolchildren is tabulated in Table 11.26.

Table 11.26 GIS score for Primary Schoolchildren, 2020 to 2024

Year	New Attendance	GIS 0	GIS 1	GIS 2	GIS 3
		Number (%)	Number (%)	Number (%)	Number (%)
2020	1,214,270	1,006,433	67,601	92,515	47,721
		(82.88)	(5.57)	(7.62)	(3.93)
2021	150,436	116,446	11,234	13,644	9,112
		(77.41)	(7.47)	(9.07)	(6.06)
2022	2,781,193	1,938,919	118,135	153,292	100,237
		(69.72)	(4.25)	(5.51)	(3.60)
2023	2,655,200	2,240,501	155,833	143,189	111,534
		(84.38)	(5.87)	(5.39)	(4.20)
2024	2,729,356	2,323,950	159,820	134,509	111,077
		(85.15)	(5.86)	(4.93)	(4.07)

SECONDARY SCHOOLCHILDREN

In 2024, the percentage of secondary schools covered was 99.60%. **(Table 11.27)**. For 2024, a school was considered covered when the schoolchildren were examined regardless of treatment status. In contrast to previous years, a school was considered covered only if 90% of the schoolchildren were rendered cases complete.

Table 11.27 Coverage of Secondary Schools, 2020 to 2024

Year	Total No. of Secondary Schools	No. of Secondary Schools Covered	Secondary Schools Covered (%)
2020	2,526	706	27.94
2021	2,504	34	1.36
2022	2,507	897	35.77
2023	2,504	2,427	96.92
2024	2,509	2,499	99.60

For 2024, in most states, almost 100% of secondary school children were covered except Negeri Sembilan (99.19%), Selangor (98.87%), Sabah (99.54%), and Sarawak (97.27%) **(Table 11.28)**.

Table 11.28 Percentage of Secondary School Coverage under Incremental Dental Care by States, 2020 to 2024

State	Percentage of Secondary Schools Covered by Year and State (%)				
	2020	2021	2022	2023	2024
Perlis	93.55	0.00	100.00	100.00	100.00
Kedah	25.62	16.75	35.47	100.00	100.00
Pulau Pinang	23.44	0.00	69.11	100.00	100.00
Perak	31.23	0.00	66.80	99.62	100.00
Selangor	23.68	0.00	16.54	94.36	98.87
FT KL & Putrajaya	35.78	0.00	73.39	99.08	100.00
Negeri Sembilan	33.06	0.00	24.19	93.55	99.19
Melaka	36.71	0.00	59.49	100.00	100.00
Johor	30.07	0.00	64.49	86.23	100.00
Pahang	30.18	0.00	38.12	99.54	100.00
Terengganu	30.30	0.00	4.27	100.00	100.00
Kelantan	28.10	0.00	11.11	100.00	100.00
FT Labuan	30.00	0.00	20.00	100.00	100.00
Sabah	17.43	0.00	4.61	99.07	99.54
Sarawak	16.84	0.00	16.13	94.09	97.27
Malaysia	27.95	1.35	35.78	96.02	99.60

In 2024, the percentage of secondary schoolchildren covered increased to 95.06% from 88.54% in the year 2023. **(Table 11.29)**.

Table 11.29 Coverage of Secondary Schoolchildren, 2020 to 2024

Year	Enrolment of Secondary Schoolchildren	No. of Secondary Schoolchildren Covered	Coverage (%)
2020	1,957,679	929,185	47.46
2021	1,994,132	55,659	2.79
2022	1,975,865	1,559,083	78.91
2023	1,997,680	1,768,691	88.54
2024	2,010,324	1,910,987	95.06

In most states, over 90.00% of secondary school students received oral healthcare, with Selangor reporting the greatest coverage with 92.84% children. The percentage coverage continuously exceeds 90% across all states except Sabah and Sarawak, signifying effective coverage irrespective of the total student population. **(Figure 11.8).**

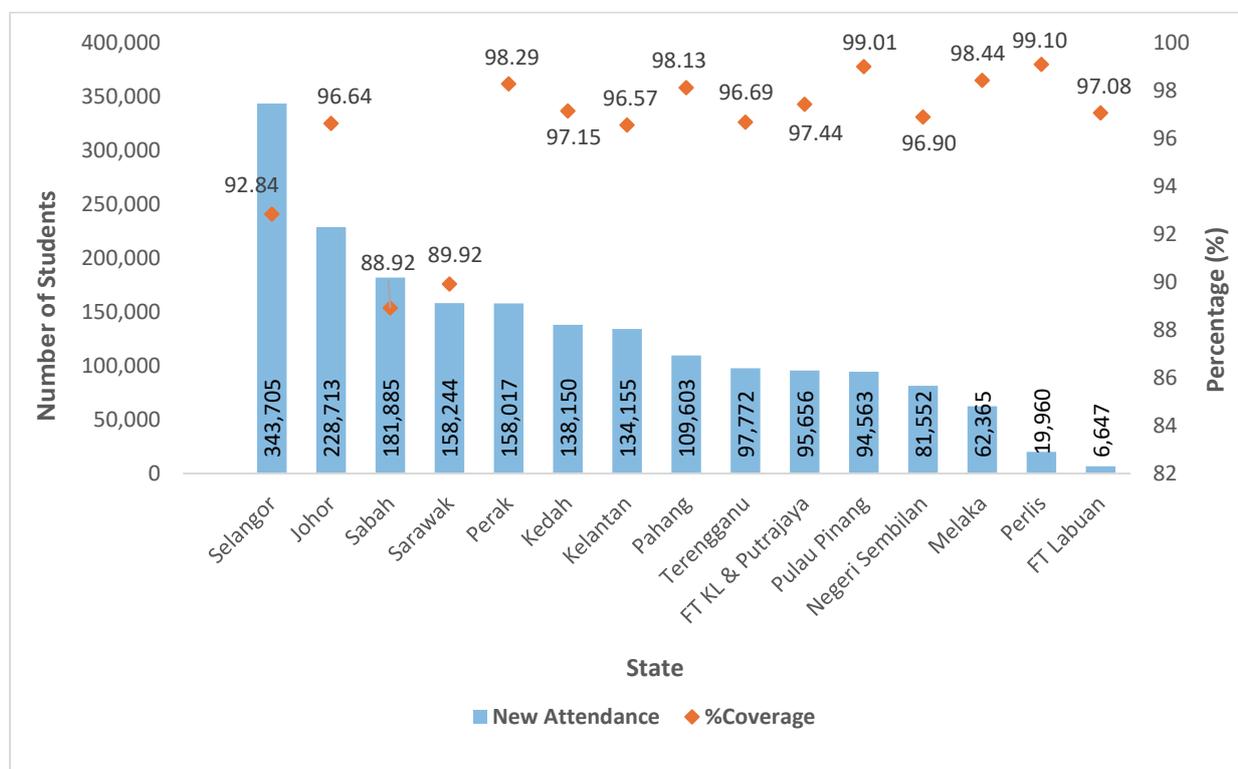


Figure 11.8 Secondary Schoolchildren Receiving Primary Oral Healthcare by States, 2024

In 2024, out of the 1,910,987 secondary schoolchildren assessed, 90.06% were deemed orally fit, while 66.86% did not require treatment (NTR) **(Table 11.30)**. This may be attributed to the long-standing school dental program and nationwide water fluoridation initiatives.

Table 11.30 Percentage of Secondary Schoolchildren Orally Fit, NTR, and Caries-free, 2020 to 2024

Year	New Attendance	Percentage Case Completion	Percentage NTR	Percentage Caries Free
2020	929,185	82.31	67.57	58.90
2021	55,659	52.21	38.74	42.10
2022	1,559,083	76.21	61.10	63.80
2023	1,768,691	87.26	61.75	64.73
2024	1,910,987	90.06	66.86	65.54

In the year 2024, Pulau Pinang achieved the highest percentage of schoolchildren rendered orally fit at 97.22%, while Sabah recorded the lowest percentage at 64.82%. The percentage of NTR across all states ranged from 42.20% to 79.32%. **(Table 11.31).**

Table 11.31 Oral Health Status of Secondary Schoolchildren by States, 2024

States	Percentage Case Completion (%)	Percentage NTR (%)	Percentage Caries-free (%)
Perlis	94.76	71.97	67.58
Kedah	91.81	73.78	72.65
Pulau Pinang	97.22	77.85	71.86
Perak	96.53	71.62	72.79
Selangor	95.70	77.78	80.76
FT KL & Putrajaya	96.96	79.32	79.64
Negeri Sembilan	95.38	72.79	75.89
Melaka	96.42	63.69	68.45
Johor	94.50	75.02	76.20
Pahang	95.40	57.98	53.71
Terengganu	89.08	56.21	52.91
Kelantan	88.14	55.08	45.61
FT Labuan	87.14	42.20	49.48
Sabah	64.82	43.90	36.98
Sarawak	76.75	54.11	50.92
Malaysia	90.06	66.86	65.54

IMPACT INDICATORS - CARIES-FREE 6, 12 AND 16-YEAR-OLD SCHOOLCHILDREN

Overall, the caries free status of school children in 2024 was the highest for the last five (5) years (2020 until 2024). However, the percentage was still lower than the targets set for caries free of 6, 12 and 16 years old (50%, 80% and 70% respectively) as outlined in the National Oral Health Strategic Plan 2022-2030 **(Figure 11.9).**

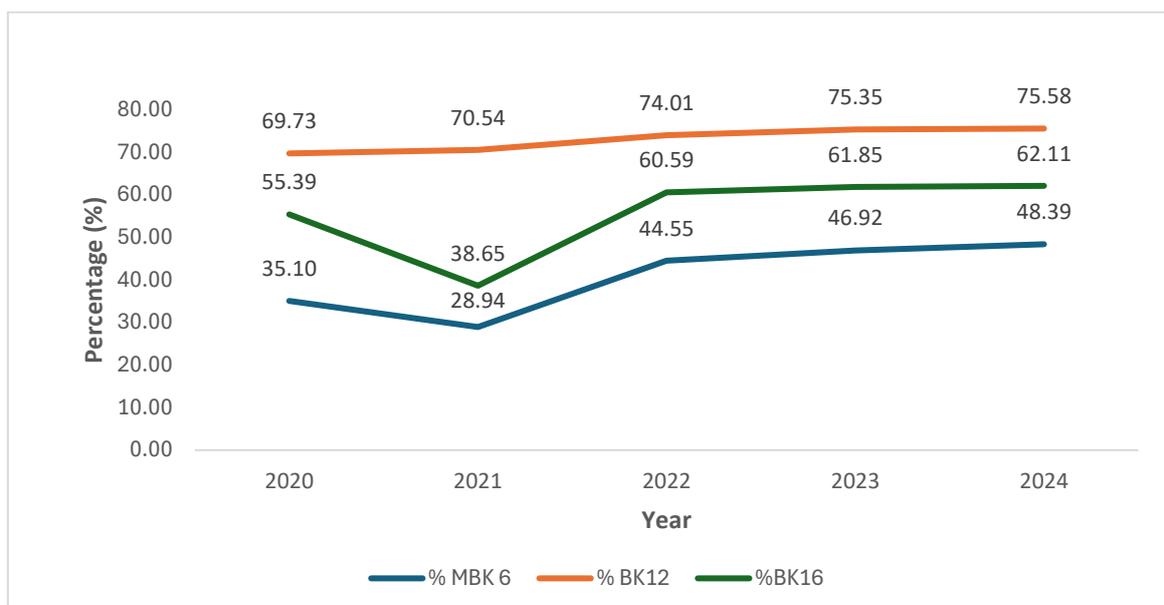


Figure 11.9 Prevalence of Caries Free 6, 12 and 16 years-old Schoolchildren, 2020 to 2024

The impact of caries-free 6, 12 and 16 years-old schoolchildren by states is shown in table below. **(Table 11.32).**

Table 11.32 Caries Free Status of 6, 12 and 16-Year-Old Schoolchildren by States, 2024

State	6 Years Old			12 Years Old			16 Years Old		
	New Attendance	No. MBK 6	% MBK6	New Attendance	No. BK 12	% BK12	New Attendance	No. BK 16	% BK16
Perlis	4,253	2,285	53.73	4,022	3,224	80.16	3,641	2,331	64.02
Kedah	29,830	14,613	48.99	30,841	25,053	81.23	25,832	17,908	69.32
Pulau Pinang	20,225	10,054	49.71	21,797	17,880	82.03	18,243	12,293	67.38
Perak	31,305	14,442	46.13	33,678	27,249	80.91	29,388	20,436	69.54
Selangor	89,721	55,773	62.16	88,680	76,944	86.77	63,546	49,862	78.47
FT KL & Putrajaya	26,156	16,386	62.65	25,218	21,655	85.87	17,936	13,905	77.53
Negeri Sembilan	17,846	10,935	61.27	17,551	15,122	86.16	15,117	11,019	72.89
Melaka	14,277	6,901	48.34	13,989	11,419	81.63	11,513	7,445	64.67
Johor	54,190	30,465	56.22	53,918	45,088	83.62	41,889	30,654	73.18
Pahang	25,336	9,231	36.43	24,531	16,171	65.92	19,727	9,672	49.03
Terengganu	23,565	7,039	29.87	22,318	15,442	69.19	17,661	8,329	47.16
Kelantan	27,422	8,056	29.38	28,409	17,241	60.69	24,696	10,245	41.48
FT Labuan	1,669	565	33.85	1,519	903	59.45	1,174	521	44.38
Sabah	43,073	16,066	37.30	46,103	22,766	49.38	33,379	11,062	33.14
Sarawak	33,151	11,098	33.48	38,827	25,012	64.42	30,449	14,312	47.00
Malaysia	442,019	213,909	48.39	451,401	341,169	75.58	354,191	219,994	62.11

MBK = Mulut Bebas Karies

BK = Bebas Karies

The mean DMFT for 12-year-old and 16-year-old children were 0.54 and 1.10, respectively, as shown in the **Table 11.33**.

Table 11.33 Mean DMFT Score for 12 and 16-year-olds, 2020 to 2024

Age Group	2020	2021	2023	2023	2024
12-year-old	0.7	0.7	0.6	0.54	0.54
16-year-old	1.40	2.4	1.20	1.12	1.10

In line with 2013 GIS Guidelines, 64.65% of secondary schoolchildren had a GIS score of 0 in 2024. However, in 2023, Basic Periodontal Examination (BPE) was introduced to students from Form 3 to Form 5 in selected several identified schools as pilot implementation. The number and percentage of secondary school children according to BPE scores and GIS scores are shown in **Table 11.34 and 11.35**.

Table 11.34 BPE Scores for Secondary Schoolchildren, 2024

Year	New Attendances	BPE 0 Number (%)	BPE 1 Number (%)	BPE 2 Number (%)	BPE 3 Number (%)	BPE 4 Number (%)
2023	294,861	207,730	22,413	61,913	2,794	11
		70.45	7.60	21.00	0.95	0.00
2024	555,276	358,964	78,825	114,463	3,008	16
		64.65	14.20	20.61	0.54	0.003

* Identified secondary schools

Table 11.35 GIS Scores for Secondary Schoolchildren, 2020 to 2024

Year	New Attendances	GIS 0 Number (%)	GIS 1 Number (%)	GIS 2 Number (%)	GIS 3 Number (%)
2020	929,185	671,133	85,727	90,000	82,325
		(72.23)	(9.23)	(9.69)	(8.86)
2021	55,659	27,620	9,946	7,387	10,706
		(49.62)	(17.87)	(13.27)	(19.23)
2022	1,559,083	1,025,553	156,272	172,229	205,029
		(65.78)	(10.02)	(11.05)	(13.15)
2023	1,439,926	971,614	137,832	159,329	171,151
		(67.48)	(9.57)	(11.07)	(11.89)
2024	1,233,089	872,622	111,768	124,213	124,486
		(70.77)	(9.06)	(10.07)	(10.10)

PRIMARY PREVENTION & EARLY DETECTION OF ORAL POTENTIALLY MALIGNANT DISORDERS (OPMDs) & ORAL CANCERS

As oral cancer remains a major health concern in Malaysia, the OHP MOH has strengthened its Primary Prevention and Early Detection of OPMDs and Oral Cancers Programme through collaboration with relevant agencies.

In order to enhance the oral cancer screening to population, all new patients aged 18 years old and above that undergo dental screening are also being screened for oral lesions (opportunistic screening). If the oral lesion is suspected as OPMD or oral cancer, the patient will be referred to a dental specialist for further assessment/investigation. Referred patients will be followed up through their attendance to specialist clinics and the diagnosis.

OPPORTUNISTIC SCREENING AT DENTAL CLINICS AND OUTREACH SETTINGS

In 2024, oral cancer screening within the high-risk community was no longer conducted. All patients underwent screening for oral cancer via opportunistic screening initiatives. A total of 2,399,481 patients were screened in dental clinics and outreach activities. For 2024, OHP maintained the set target of $\geq 83\%$ for the compliance rate of referred patients to be seen by dental specialists. A total of 737 patients with lesions were referred to OMFS/OPOM specialists for further investigation and management. Of these, a total of 683 patients (92.67%) were examined by dental specialists (**Table 11.37**). The percentage of referred patients who attended dental specialist clinics by state is presented in **Table 11.38**.

Table 11.37 Patients Screened and Referred (Opportunistic Screening), 2020 to 2024

Year	No. of New Attendances	No of Patients Screened	No. of Patients with Lesion Referred	No. Seen by Surgeons	
				n	%
2020	1,615,758	601,075	579	485	83.77
2021	1,578,168	1,206,635	636	553	86.95
2022	1,913,923	1,892,283	666	596	89.49
2023	2,394,292	2,272,608	695	630	90.65
2024	2,451,625	2,399,481	737	683	92.67
Total	9,953,766	8,372,082	3,313	2,947	88.95

All states had achieved the minimum target of more than 83% of patients referred were seen by dental specialist. The highest compliance rate was in Terengganu (100%), while the lowest compliance rate was in Perak (87.50%) (**Table 11.38**).

Table 11.38 Patients Screened and Referred (Opportunistic Screening) by States, 2024

State	No. of New Attendances	No. of Patients Screened	No. of Patients with lesion Referred	No. Seen by Surgeons	
				n	%
Perlis	41,935	41,812	17	16	94.12%
Kedah	175,119	172,070	35	31	88.57%
Penang	131,927	129,272	53	51	96.23%
ILKKM	2,192	2,184	1	1	100.00%
Perak	223,304	218,906	64	56	87.50%
Selangor	312,988	308,443	87	78	89.66%
FT KL & Putrajaya	165,965	161,361	37	34	91.89%
N. Sembilan	135,161	133,217	42	38	90.48%
Melaka	122,646	120,177	43	39	90.70%
Johor	295,553	290,733	99	96	96.97%
Pahang	175,662	173,727	50	49	98.00%
Terengganu	138,437	135,812	12	12	100.00%
Kelantan	154,123	150,919	54	50	92.59%
Sabah	171,539	161,780	46	43	93.48%
Sarawak	193,308	187,945	96	88	91.67%
FT Labuan	11,766	11,123	1	1	100.00%
Malaysia	2,451,625	2,399,481	737	683	92.67%

TRAINING

In 2024, there were 35 calibration sessions of the Primary Prevention and Early Detection of Oral Potentially Malignant Diseases (OPMDs) and Oral Cancers Programme conducted by the states involving 1,020 dental officers. A total of 9,965 dental and non-dental staff of the Ministry of Health Malaysia as well as 13 private medical and dental practitioners participated in the oral cancer awareness campaign.

ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTH PRACTICE AND DEVELOPMENT DIVISION

- **Oral Health Accreditation and Globalisation**
- **Oral Health Legislation and Enforcement**
- **Oral Health Quality**

Oral Health Accreditation and Globalisation Section

Global
Excellence,
Local
Assurance

Global
Access,
Accredited
Care

Trusted Care
Through
Accreditation



From left to right : Dr. Ili Mazlina binti Mukhtar; Dr. Akmal Aida binti Othman, Dr Ameera Syafiqah binti Aly, Ms. Aida Maysara binti Ismail

ORAL HEALTH ACCREDITATION AND GLOBALISATION

The Oral Health Programme (OHP) of the Ministry of Health (MOH) plays a crucial role in ensuring high standards of dental education and practice in Malaysia. Its Oral Health Accreditation and Globalisation section oversees accreditation for undergraduate and postgraduate dental degree programs offered by local Higher Education Providers (HEPs).

This section serves as the secretariat for the Joint Technical Accreditation Committee (JTAC), responsible for undergraduate programmes, and the Joint Technical Committee for Evaluation of Dental Specialty Programmes (JTCE DSP). Operating under the jurisdiction of the Malaysian Dental Council (MDC), as mandated by the Malaysian Qualification Agency (MQA) Act [Act 679], these committees focus on evaluating and recommending the accreditation of dental specialty training programmes as well as continuously improving the quality of dental training. The function of the secretariat includes to oversee accreditation processes by maintaining documentation (guidelines, standards, Terms of Reference), facilitating compliance with protocols, coordinating meetings, drafting reports and managing policy decisions.

Additionally, the Oral Health Accreditation and Globalisation Section represents the OHP in the *Jawatankuasa Penggunaan Fasilitas* (JKPF) MOH, which reviews requests from the local HEPs to utilize MOH facilities for student training. All requests are carefully assessed to ensure smooth operations and to prevent overcrowding at the MOH facilities.

This section, along with the Secretary of the MDC, represents Malaysia in the ASEAN Joint Coordinating Committee on Dental Practitioners (AJCCD), a committee under the Healthcare Services Sectoral Working Group (HSSWG). The AJCCD facilitates cooperation on the Mutual Recognition Agreement (MRA) for dental practitioners among all ten ASEAN member countries and regularly exchanges information on policies related to dental services. Furthermore, the OHP provides insights on the liberalization of the Oral Health Services Sector to the Ministry of Investment, Trade, and Industry (MITI) through the Policy and International Relations Division, MOH.

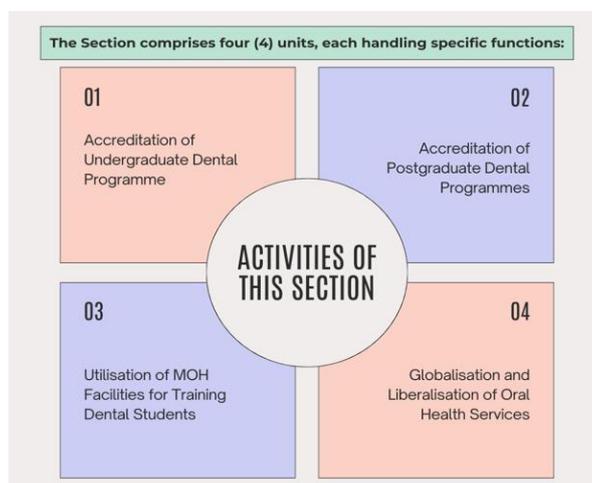


Figure 12.1 Activities of Accreditation and Globalisation Section

ACCREDITATION OF UNDERGRADUATE DENTAL PROGRAMMES

To be registered as Dental Surgeons in Malaysia, practitioners must meet the requirements outlined in the Dental Act 2018 [Act 804]. One of the key requirements for Malaysian local graduates is to hold a qualification from an accredited local training institution. This ensures they possess the necessary knowledge and skills to deliver safe, high-quality dental care.

Currently, 13 HEPs offer Undergraduate Dental Degree Programmes accredited under MQA, while one additional programme has received provisional accreditation on 11 July 2024. These accreditation statuses demonstrate the HEPs' compliance with the MQA standards and their commitment to maintaining educational excellence.

Table 12.1 lists of the HEPs and their respective undergraduate dental degree programmes, along with their accreditation statuses.

With the implementation of the Dental Act 2018 [Act 804] on 1 January 2022, Dental Therapists are now regulated under this legislation, and their qualifications for registration must be recognized by the Malaysian Dental Council (MDC). At present, there is only one institution in Malaysia offering a Diploma in Dental Therapy: The Institut Latihan Kementerian Kesihatan Malaysia (Pergigian) (ILKKM) Pulau Pinang.

Table 12.1 List of HEPs and Undergraduate Dental Degree Programmes

No.	Year of 1st Intake	Higher Education Provider	Programme & Accreditation Status
Full Accreditation (FA)			
A. Public			
1.	1972	Universiti Malaya (UM)	BDS (Malaya) (MQA/FA 0659)
2.	1993	Universiti Kebangsaan Malaysia (UKM)	DDS (UKM) (MQA/FA 2157)
3.	1997	Universiti Sains Malaysia (USM)	DDS (USM) (MQA/FA 0554)
4.	2006	Universiti Teknologi MARA (UiTM)	BDS (UiTM) (MQA/FA 0338)
5.	2007	Universiti Islam Antarabangsa (UIAM)	BDS (UIAM) (MQA/FA 1976)
6.	2007	Universiti Sains Islam Malaysia (USIM)	BDS (USIM) (MQA/FA 1897)
B. Private			
7.	2005	Asian Institute of Medical Science and Technology (AIMST)	BDS (AIMST) (MQA/FA 3470)
8.	2006	Penang International Dental College (PIDC)	DDS (PIDC) (MQA/FA 3951)
9.	2007	MAHSA	DDS (MAHSA) (MQA/FA 4153)
10.	2008	International Medical Universiti (IMU)	BDS (IMU) (MQA/FA 7026)
11.	2009	Manipal University College Melaka (MUCM)	BDS (MUCM) (MQA/FA 9269)
12.	2011	SEGi	BDS (SEGI) (MQA/FA 1050)
13.	2012	Lincoln University College (LUC)	DDS (LUC) (MQA/FA 1048)
Provisional Accreditation (PA)			
14.	-	Management & Science University (MSU)	BDS (MSU) (MQA/PA 14302)

BDS – Bachelor of Dental Surgery, DDS – Doctor of Dental Surgery

JOINT TECHNICAL ACCREDITATION COMMITTEE (JTAC)

The members of the JTAC shall be as follows:

- i. The Chairperson shall be the Director of Oral Health Practice and Development, OHP, MOH by virtue of the post
- ii. The Deputy Chairperson shall be the Deputy Director, Accreditation and Globalisation Section of the OHP, MOH by virtue of the post
- iii. One member from the OHP, MOH
- iv. The Chairman of the Dental Deans' Council
- v. Three Deans from the dental faculties of local Institutions for Higher Education
- vi. One member from MDC
- vii. One member from the Malaysian Dental Association (MDA)
- viii. One member from the dental profession
- ix. Two representatives from the MQA
 - a. One representative from Accreditation Division (Science and Medicine) MQA; and
 - b. One representative from Coordination and Quality Reference MQA
- x. Two representatives from Ministry of Higher Education (MoHE)
 - One representative from the Academic Excellence Division, Department of Higher Education
 - One representative from the Registration and Standard Division, Department of Higher Education
- xi. One member from Malaysian Dental Therapist Board from the public sector whom shall be invited for the accreditation of dental therapists' programme in the private sector
- xii. One member from Malaysian Dental Therapist Board from the private sector whom shall be invited for the accreditation of dental therapists' programme in the public sector.

In 2024, six JTAC meetings, were conducted as scheduled, as outlined in **Table 12.2**. During these meetings, a total of 22 proposals / recommendations papers were prepared and submitted to the MDC for deliberation and decision-making, before being forwarded to the MQA for consideration. These proposals were prepared in response to applications from HEPs submitted through the MQA, following assessments conducted by the Panel of Assessors. Additionally, three notification papers were presented to the MDC, addressing matters requiring decisions exclusively at the JTAC level.

Table 12.2 JTAC Meetings in 2024

JTAC MEETINGS	DATE	PROPOSAL PAPER	NOTIFICATION PAPER
No 1 / 2024	4 January 2024	2	-
No 2 / 2024	8 March 2024	5	-
No 3 / 2024	25 April 2024	5	3
No 4 / 2024	4 July 2024	4	-
No 5 / 2024	29 August 2024	3	-
No 6 / 2024	7 November 2024	3	-
TOTAL		22	3

The proposals or recommendations papers from JTAC in 2024 encompass various areas of assessments and evaluation pertinent to undergraduate dental degree programmes, including:

i. Full Accreditation (FA) – Renewal and 1st FA

A total of six (6) HEPs were scheduled for renewal accreditation evaluation in 2024, as shown in **Table 12.3**.

The Diploma in Dental Therapy (MQA/FA 13408), offered by Pusat Pergigian Kanak-Kanak & Institut Latihan Kementerian Kesihatan Malaysia (Pergigian) Georgetown, underwent the accreditation process in 2024 to obtain MQA Full Accreditation. Prior to this, it held SWA accreditation from MQA. The MDC approved Full Accreditation for ILIKM during its 13th MDC meeting on 23 May 2024.

Table 12.3 Full Accreditation (FA) – First time FA/ Renewal in 2024

No.	Recommendation / Proposal Papers	JTAC Meeting and / Decision by Circulation (DBC) – (Date)	MDC Meeting (Date)
1.	UiTM (BDS) (MQA/FA 0338) (Renewal)	No.1/2024 (4 January 2024)	12 th (15 February 2024)
2.	LUC (DDS)(MQA/FA 1048-02) Follow-up visit for Full Accreditation (Renewal)	No.1/2024 (04 January 2024) DBC: 12 January 2024	12 th (15 February 2024)
3.	ILKMM (DipDTP) (MQA/FA 13408) (1 st FA)	No.2/2024 (08 March 2024) DBC: 18 March 2024	12 th (15 February 2024) 13 th (23 May 2024)
4.	USM (DDS)(MQA/FA 0554) (Renewal)	No.3/2024 (25 April 2024)	13 th (23 May 2024)
5.	PIDC (DDS 2+3 in Collaboration with MAHSA)(MQA/FA 3951) (Renewal)	No.4/2024 (04 July 2024) DBC: 10 July 2024	14 th (29 July 2024)
6.	IIUM (BDS)(MQA/FA 1976-04) (Renewal)	No.5/2024 (29 August 2024)	15 th (23 September 2024)

ii. Provisional Accreditation and Surveillance Visit

The MSU BDS programme was granted provisional accreditation on 11 July 2024 (**Table 12.4**). Following this, it applied for the Post-Approval Provisional Accreditation Surveillance Visit. The programme is still undergoing the accreditation process and has yet to be presented at the JTAC meeting in 2025. The first cohort of students will only be allowed to enrol if the HEP fulfils the requirements of the Post-Approval Provisional Accreditation Surveillance Visit.

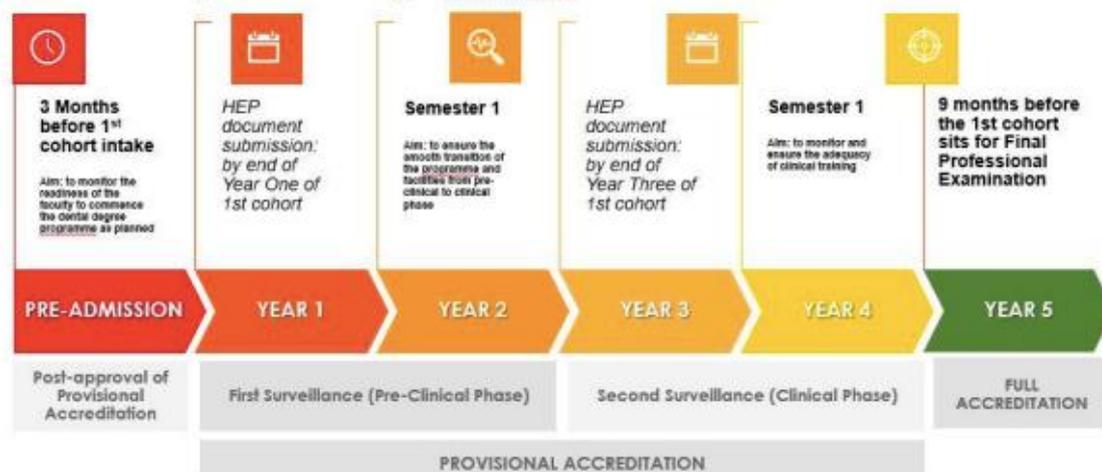


Image 12.1 Surveillance visit for MSU BDS Programmes

Surveillance visits are conducted after provisional accreditation is granted (Figure 12.2). These visits aim to ensure that the HEP complies with the minimum standards set by the Code of Practice for Programme Accreditation (COPPA) for Undergraduate Dental Degree Programmes, specifically in predetermined areas of evaluation for both the pre-clinical and clinical phases of the programme. A minimum of three surveillance visits is required for a BDS programme or its equivalent, as outlined below.

Timeline For Accreditation Evaluation Visits

COPPA for Undergraduate Dental Degree Programme



Note: It is the responsibility of the HEP(Dental Faculty) to send in the accreditation documents without a reminder from the MQA

Figure 12.2 Timeline for Accreditation Evaluation Visits

Table 12.4 Provisional Accreditation in 2024

No.	Recommendation / Proposal Papers	JTAC Meeting and / Decision by Circulation (DBC) – (Date)	MDC Meeting (Date)
1.	MSU (BDS)(MQA/PA 14302) - Provisional Accreditation	No.2/2024 (8 March 2024)	13 th (23 May 2024)

AMENDMENT TO STUDENT INTAKE QUOTA

Any requests for increasing student intake must rely on the HEP's ability to accommodate the students. This includes having sufficient infrastructure and an adequate number of academic staff to deliver instruction.

In 2024, the IMU submitted a request to conduct two student cohorts annually for the BDS program. The JTAC and the MDC concurred with the panel's recommendation (**Table 12.5**), with the condition that monitoring is conducted one year following the first intake of the two-cohort system.

Table 12.5 Amendment to Students Intake Quota in 2024

No.	Recommendation / Proposal Papers	JTAC Meeting and / Decision by Circulation (DBC) – (Date)	MDC Meeting (Date)
1.	IMU (BDS)(MQA/FA 7026) Capacity and Readiness for two student cohort in a year	No.2/2024 (8 March 2024)	13 th (23 May 2024)

CREDIT TRANSFERS / MINIMUM ENTRY REQUIREMENT

In 2024, JTAC considered eight applications related to Credit Transfers (CT) and Minimum Entry Requirements (MER), as detailed in **Table 12.6**.

There were five requests submitted by HEPs seeking clarification on credit transfers in the Dental Degree Programme between different institutions. The reasons varied and included medical issues, war, and personal matters. These matters were deliberated, and decisions were made based on the guidelines for Credit Transfer in Dental Degree Programme as outlined in COPPA BDS 2.1.

Regarding Minimum Entry Requirement (MER), the HEPs sought clarification mainly due to unusual qualification requests for entry into the BDS programme or equivalent, which require mapping with the MDC's MER guidelines and consideration from both JTAC and MDC.

Table 12.6 Credit Transfers (CT) / Minimum Entry Requirement (MER) in 2024

No.	Recommendation / Proposal Papers	JTAC Meeting and / Decision by Circulation (DBC) – (Date)	MDC Meeting
Credit Transfers (CT) / Minimum Entry Requirement (MER)			
1.	MAHSA (DDS)(MQA/FA 4153) - CT from MUCM	No.1/2024 (4 January 2024) No.2/2024 (8 March 2024)	13 th (23 May 2024)
2.	MAHSA (DDS)(MQA/FA 4153) - CT from Alexandra University, Egypt	No.2/2024 (8 March 2024) No.3/2024 (25 April 2024)	13 th (23 May 2024)

No.	Recommendation / Proposal Papers	JTAC Meeting and / Decision by Circulation (DBC) – (Date)	MDC Meeting
3.	MAHSA (DDS)(MQA/FA 4153) - CT from MUCM	No.3/2024 (25 April 2024) DBC: 3 May 2024	13 th (23 May 2024)
4.	MUCM (BDS)(MQA/FA 9269 - MER	No.4/2024 (4 July 2024)	14 th (29 July 2024)
5.	SEGi (BDS)(MQA/FA 1050) - CT from MUCM	No.5/2024 (29 August 2024)	15 th (23.09.2024)
6.	SEGi (BDS)(MQA/FA 1050) - MER	No.5/2024 (29 August 2024)	15 th (23.09.2024)
7.	PIDC (DDS 2+3 in Collaboration with MAHSA)(MQA/FA 3951) - MER	No.6/2024 (7 November 2024)	2025
8.	USIM (BDS)(MQA/FA 1897) - CT from Al-Azhar University Gaza	No.6/2024 (7 November 2024)	2025

TAXONOMY OF EDUCATIONAL OBJECTIVES – MALAYSIAN EDITION FOR DENTAL PROGRAMME

The Malaysian Edition for Dental Programme provides a guide for all lecturers to formulate learning outcomes for all courses in the dental curricula of educational programmes that are under the auspices of the Malaysian Dental Council. The Malaysian Edition for Dental Programme, adopts the reclassification of the cognitive domains. The psychomotor and affective domains remain unchanged. This document was prepared by the Dean Council and was then presented at the JTAC meeting No. 2 & 3/2024 on 8 March & 25 April 2024 respectively and endorsed during the 13th MDC meeting on 23 May 2024.

CODE OF PRACTICE FOR PROGRAMME ACCREDITATION FOR DIPLOMA IN DENTAL THERAPY PROGRAMME (COPPA-DTP)

Currently, only Children’s Dental Center & Ministry of Health Training Institute (Dental) offers the Diploma in Dental Therapy program. The Code of Practice for Programme Accreditation (COPPA_DipDT) documents, developed by the COPPA_DipDT Committee, serve as a reference for the standards of dental therapy programs in the country. These documents outline the policies and principles that guide judgments and decisions regarding accreditation.



Image 12.2 COPPA_DipDT Committee Members

The COPPA_DipDT was presented at JTAC No.6/2024 on 7 November 2024. A decision by circulation was made by the JTAC members on 15 November 2024, and it was subsequently endorsed by the MDC at its 16th Meeting on 9 December 2024.

ACCREDITATION OF POSTGRADUATE DENTAL DEGREE (DENTAL SPECIALTIES) PROGRAMMES

There are 13 Dental Specialties approved by the MDC. As of December 2024, six (6) public and one (1) private HEP offer accredited Postgraduate Dental Degree Programmes that meet the standards set by the MQA, as shown in **Table 12.7**. Additionally, Manipal University College Melaka (MUCM) is in the process of obtaining accreditation for its Public Health Programme at the doctorate and master's levels, which have yet to be approved. These accredited programmes ensure quality and compliance with national accreditation requirements.

The Dental Specialties Programme initially consisted of a 4-year programme, and transitioned to a 1+3 structure thereafter, i.e., one (1) year for a Master's degree followed by three (3) years for a Doctorate. During the 8th and 9th MDC Meetings, new Programme Standards for the 1+3 Dental Specialties Programme were endorsed, to be implemented within a 2-year period from 2023 to 2025. Therefore, all HEPs offering these programmes must adhere to the new Programme Standards. No further intakes are permitted for the 4-year programme, and institutions must submit the new 1+3 Programme for accreditation assessment and endorsement. **Table 12.7** provides an overview of HEPs and the Dental Specialty Programmes they offer.

Table 12.7 List of HEPs and Dental Specialty Programme in 2024

SPECIALTY PROGRAMMES	HIGHER EDUCATION PROVIDER (HEP)						
	UM	USM	UKM	UiTM	UIA	USIM	MAHSA
1. Dental Public Health	/	/		/			
2. Endodontics			/	/			
3. Forensic Odontology			/				
4. Oral and Maxillofacial Radiology							
5. Oral and Maxillofacial Surgery	/	/	/				

SPECIALTY PROGRAMMES	HIGHER EDUCATION PROVIDER (HEP)						
	UM	USM	UKM	UiTM	UIA	USIM	MAHSA
6. Oral Pathology and Oral Medicine	/			/			
7. Oral Medicine							
8. Orthodontics	/		/	/	/	/	
9. Paediatric Dentistry	/	/	/	/	/		
10. Periodontology	/	/	/	/			/
11. Prosthodontics	/			/	/		
12. Restorative Dentistry	/	/	/	/			/
13. Special Care Dentistry	/			/			
Number of Specialty Programmes	9	5	7	9	1	1	2

JOINT TECHNICAL COMMITTEE FOR EVALUATION OF DENTAL SPECIALTY PROGRAMMES (JTCEDSP)

The primary aim of the JTCEDSP is to develop, maintain, and continuously improve the quality of dental specialty training in Malaysia. It serves as the dedicated committee responsible for evaluating and recommending the accreditation of specialty training programmes in dentistry.

In 2024, seven JTCEDSP meetings were conducted bi-monthly as scheduled, including one Special Meeting for the presentation of COPPA_PG Dental. These meetings were aimed at ensuring the smooth progression of the accreditation process for dental specialty programmes, as outlined in **Table 12.8**. From these meetings, 27 proposals or recommendation papers were prepared and submitted to the MDC for deliberation and decision-making.

Table 12.8 JTCEDSP Meetings in 2024

JTCEDSP MEETINGS	DATE	PROPOSAL PAPER
No 1 / 2024	1 March 2024	2
No 2 / 2024	5 April 2024	1
Special	30 April 2024	1
No 3 / 2024	6 June 2024	2
No 4 / 2024	8 August 2024	9
No 5 / 2024	3 October 2024	8
No 6 / 2024	5 December 2024	4
	Total	27

FULL ACCREDITATION (FA) – RENEWAL AND 1ST FA

In 2024, 14 Postgraduate Dental Specialties Programmes underwent Full Accreditation, ten (10) Provisional Accreditation were carried out, and one (1) underwent monitoring and curriculum review for the respective HEPs, as detailed in **Table 12.9**.

Table 12.9 Full Accreditation (FA), Provisional Accreditation (PA), Monitoring and Curriculum Review in 2024

No.	Recommendation / Proposal Papers	JTAC Meeting and / Decision by Circulation (DBC) – (Date)	MDC Meeting/ Decision by Circulation (DBC) – (Date)
Full Accreditation (FA) – First time FA/ Renewal in 2024			
1.	UiTM DrPeadsDent (MQA/FA 9605)	No.1/2024 (1 March 2024)	13 th (23 May 2024)
2.	UiTM DrProsthodontics (MQA/FA 9606)	No.2/2024 (5 April 2024)	13 th (23 May 2024)
3.	UIAM DrOrthodontics (MQA/FA 13082)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
4.	UiTM DrDPH (MQA/FA 9604)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
5.	UiTM DrOrthodontics (MQA/FA 9607)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
6.	MAHSA DrResDent (MQA/FA 9235-01)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
7.	UM DrPaeds (MQA/FA 12434)	No.5/2024 (3 October 2024)	16 th (09 December 2024)
8.	UM DrSCDent (MQA/FA 12429)	No.5/2024 (3 October 2024)	16 th (09 December 2024)
9.	UM DrProsthodontics (MQA/FA 12432)	No.5/2024 (3 October 2024)	16 th (09 December 2024)
10.	MAHSA MOSc (MQA/FA 9234-01)	No.5/2024 (3 October 2024)	DBC (25 October 2024)
11.	UiTM DrPerio (MQA/FA 9608)	No.6/2024 (5 December 2024)	2025
12.	UiTM DrEndo (MQA/FA 9609)	No.6/2024 (5 December 2024)	2025
13.	UiTM DrSCDent (MQA/FA 12429)	No.6/2024 (5 December 2024)	2025
14.	MAHSA MOSc (MQA/FA 9234-01)	No.6/2024 (5 December 2024)	2025
Provisional Accreditation			
1.	UM DrRestDent (MQA/PA 17183)	No.1/2024 (1 March 2024)	13 th (23 May 2024)

No.	Recommendation / Proposal Papers	JTAC Meeting and / Decision by Circulation (DBC) – (Date)	MDC Meeting/ Decision by Circulation (DBC) – (Date)
2.	USM DrEndo (MQA/PA 16955)	No.3/2024 (6 June 2024)	14 th (29 September 2024)
3.	UiTM DrResto (MQA/PA 15004)	No.3/2024 (6 June 2024)	14 th (29 September 2024)
4.	MUCM MDPH (MQA/PA 17317)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
5.	MUCM DrDPH (MQA/PA 17318)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
6.	MAHSA DrOrth (MQA/PA 16120)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
7.	USM DrPerio (MQA/PA 17599)	No.5/2024 (3 October 2024)	16 th (09 December 2024)
8.	USM DrProsthodontics (MQA/PA 17600)	DBC (19 October 2024)	16 th (09 December 2024)
9.	MUCM DPH PA (MQA/PA 17318)	DBC (19 October 2024)	16 th (09 December 2024)
10.	UIAM DrOMFS (MQA/PA 17567)	DBC (22 October 2024)	2025
Monitoring			
1.	MAHSA DrResDent (MQA/FA 9235)	No.4/2024 (8 August 2024)	15 th (23 September 2024)
Curriculum Review			
1.	MAHSA DrResDent (MQA/FA 9235)	No.4/2024 (8 August 2024)	15 th (23 September 2024)

CODE OF PRACTICE FOR PROGRAMME ACCREDITATION POSTGRADUATE DENTAL DEGREE PROGRAMMES (COPPA_PG DENTAL)

A dedicated committee, led by the Chairman of the Dental Deans Council, has been formed to develop the Code of Practice for Programme Accreditation Postgraduate Dental Degree Programmes (COPPA_PG Dental).

In addition, 12 sub-committees referred to as the Dental Specialty Education Committee (DentSEdC) have been established under JTCEdSP. Comprised of specialists from various fields, these sub-committees are responsible for drafting and reviewing the programme standards for the Dental Specialty Programme.

On 30 April 2025, a special meeting was held for the presentation of COPPA_PG Dental document by the COPPA Committee to JTCEdSP, and the proposal was agreed upon. Subsequently, COPPA_PG, along with the Program Standards documents, was endorsed by the MDC during its 13th Meeting on 23 May 2024. These documents will serve as the principal

point of reference for both the Panel of Assessors and HEP during the accreditation of a PG programme. The effective dates for implementation are as in **Table 12.10** below:

Table 12.10 Effective Dates For Accreditation Application

Stage of Accreditation Application	Effective Date
Provisional Accreditation	1 January 2025
Full Accreditation/ Renewal application	1 June 2026

Following the endorsement of COPPA_PG Dental, the Oral Health Programme (OHP) of the Ministry of Health (MOH), in collaboration with the MQA, organized a workshop specifically for the Panel of Assessors. This panel comprised dental specialists from the MOH, the Ministry of Higher Education (MOHE), and the Ministry of Defence (MINDEF).

The workshop, held from 7 to 9 October 2024, aimed to introduce and provide a comprehensive explanation of the newly endorsed COPPA_PG Dental. It focused on equipping the assessors with an in-depth understanding of the standards and compliance criteria established by the MQA for recognized postgraduate dental programs. This initiative was a crucial step toward ensuring consistent and high-quality postgraduate dental education across institutions, fostering alignment with national accreditation requirements.



Image 12.3 COPPA_PG Workshop held from 7- 9 October 2024

UTILISATION OF MOH FACILITIES FOR TRAINING DENTAL STUDENTS

To serve the mutual interests of the MOH and the HEPs, Memorandums of Agreement (MoAs) were finalized with each relevant HEP prior to requesting the use of MOH facilities for undergraduate dental student training. At present, 13 HEPs maintain active MoAs with the MOH under this initiative. As of 2024, only two HEPs had MoAs up for renewal (**Table 12.11**), while the MoAs for the remaining eleven HEPs remained valid.

Table 12.11 Memorandum of Agreement for Renewal in 2023

No.	HEP (Programme)	Expiry Date
1.	USM (DDS)	31 August 2024
2.	UKM (BDS)	28 February 2025

Applications from HEPs for student attachments or training at Dental MOH facilities were processed by this Section. These include training in various specialties such as Oral and Maxillofacial Surgery, Orthodontics, Paediatric Dentistry, Oral Pathology, Oral Medicine, and Public Health Dentistry. Additionally, medical faculties submitted applications for postgraduate training in Otorhinolaryngology (ORL) and Plastic Surgery at Oral Maxillofacial Specialist Clinics.

Table 12.12 Summarizes the HEPs' applications to utilize MOH facilities for dental student training in 2024, highlighting an overall increase in applications compared to 2023, particularly for Otorhinolaryngology (ORL) and Plastic Surgery attachments.

Table 12.12 Student Training Attachments at the MOH Facilities in 2024

Students	Community Postings (No. Of Request)	Clinical Postings
Undergraduate	<ul style="list-style-type: none"> ● UM (1) ● UKM (2) ● USM (1) ● UITM (1) ● UIAM (1) ● MAHSA (2) ● IMU (1) ● SEGI (1) ● AIMST (1) ● PIDC (1) ● MUCM (1) Total = 13 (11 in 2023)	<p><u>Dental:</u></p> <ul style="list-style-type: none"> ● USIM (1) ● MAHSA (2) ● SEGI (4) ● LUC (1) ● PIDC (3) ● IMU (3) ● MUCM (1) Total = 15 (8 in 2023) <p><u>Foreign HEPs for Elective Postings</u></p> <ul style="list-style-type: none"> ● University of Glasgow (3) ● University of Dundee (2) Total = 5 (1 in 2023)
Postgraduate	<ul style="list-style-type: none"> ● UiTM (1) ● USM (2) ● UM (1) Total = 4 (4 in 2023)	<p><u>Dental:</u></p> <ul style="list-style-type: none"> ● UITM (7) ● UM (10) ● USM (4) ● USIM (4) Total = 25 (25 in 2023) <p><u>ORL:</u></p> <ul style="list-style-type: none"> ● IIUM (14) ● UKM (16) ● UM (6) Total = 36 (15 in 2023)

Students	Community Postings (No. Of Request)	Clinical Postings
		<u>Plastic</u> - USM(4) Total = 4 (1 in 2023)

This section also represents the OHP in the *Jawatankuasa Penggunaan Fasilitas (JKPF)* MOH, attending at least three meetings annually. The committee is chaired by the Deputy Director General (Medical), with the secretariat role rotating among the divisions and programs within MOH. In 2025, OHP will assume the role of secretariat for JKPF. Additionally, OHP has been assigned the task of coordinating the JKPF committee in revising the fees for student attachments. This process is currently ongoing to ensure that the fees are appropriate, creating a mutually beneficial outcome for both HEP and MOH.

GLOBALISATION AND LIBERALISATION OF ORAL HEALTH SERVICES

33rd & 34th ASEAN JOINT COORDINATING COMMITTEE ON DENTAL PRACTITIONERS (AJCCD)

The AJCCD plays a pivotal role in enhancing regional cooperation by developing a Mutual Recognition Arrangement (MRA) specifically for dental practitioners. This arrangement is a formal agreement that facilitates the mutual recognition of professional qualifications among member countries. By enabling one country to recognize the credentials of dental practitioners from another, the MRA supports greater professional mobility within the ASEAN region. This, in turn, promotes the cross-border exchange of knowledge, expertise, and technology, enhancing the overall quality and standards of dental services in ASEAN.

A representative from the OHP MOH, attended the 33rd AJCCD Meeting, a biannual event convened on 27 February 2024 in Bandung, Indonesia. The representative also attended the subsequent 34th AJCCD Meeting held on 22 October 2024 at the ASEAN Secretariat in Jakarta, reflecting the commitment of ASEAN Member States (AMS) to maintain momentum in their discussions and initiatives. Malaysia's active involvement in AJCCD meetings is essential to ensure that the resulting benefits are realized and that any agreements align with the country's current policies and needs.

The implementation of MRAs has been progressing slowly and faces several challenges, including varying levels of maturity among countries, gaps in education and specialization, and incompatible registration and licensing systems. A lack of trust among Professional Regulatory Authorities, limited support from local practitioners, cultural differences, and low demand further impede progress. Moreover, technical issues such as recognizing educational institutions, funding constraints, immigration complications, and double taxation add to the complexity of the process.



Image 12.4 Participation in AJCCD Meeting in Bandung, Indonesia

COLLABORATION AND FREE TRADE AGREEMENT IN THE DENTAL SERVICES SECTOR

The OHP, MOH has been actively involved in providing feedback to the Ministry of International Trade and Industry (MITI) regarding the inclusion and negotiation of dental services in both bilateral and multilateral agreements between Malaysia and other nations. This includes reviewing areas of cooperation during the drafting of Memoranda of Understanding (MoUs) with countries such as Brunei, the Maldives, India, Bahrain, China, Singapore, Cuba, Korea, Sudan, Ethiopia, and Timor Leste in 2024. The objective is to ensure these agreements promote mutual benefits, including the exchange of expertise and knowledge across various health sectors.

Furthermore, the OHP, MOH has provided feedback on free trade agreements, notably between ASEAN and Canada, as well as Malaysia and Brazil. The program's engagement includes active participation in meetings and workshops organized by the Ministry of International Trade and Industry (MITI), focusing on the non-conforming measures (NCM) under the ASEAN Trade in Services Agreement (ATISA). These efforts are instrumental in advancing trade liberalization agreements, thereby enhancing the integration and accessibility of services, including healthcare, within the region and beyond.

CONCLUSION

As Malaysia's dental landscape evolves, the OHP stands at the forefront of fostering excellence through accreditation, innovation, and international cooperation. The achievements of 2024 include the adoption of COPPA_PG Dental standards and expanded ASEAN collaborations which highlight the programme's commitment to advancing oral health education and services. To sustain this momentum, future efforts should prioritize adaptive policies, capacity-building initiatives, and equitable resource distribution, ensuring that Malaysia remains a leader in dental professionalism and care.

Oral Health Legislation and Enforcement Section

Educate

Enforce

Empower



*From left to right :
Dr. Akmarliza binti Abdullah UG54, Ms. Florence
Deanna anak Goin, Dr. Haznita binti Zainal Abidin,
Dr. Rosmaria binti Deraman*

ORAL HEALTH LEGISLATION AND ENFORCEMENT

The Oral Health Legislation and Enforcement Section is responsible for all activities related to legislation, enforcement of the Dental Act 2018 [Act 804], the Private Healthcare Facilities and Services Act 1998 [Act 586], and other Acts related to the dental practices as well as occupational safety and health in dental facilities under the Ministry of Health (MOH) Malaysia. The Section consists of four (4) units that play an important role in different aspects but towards the same objectives to ensure the safety and quality of dental services provided (Figure 13.1).

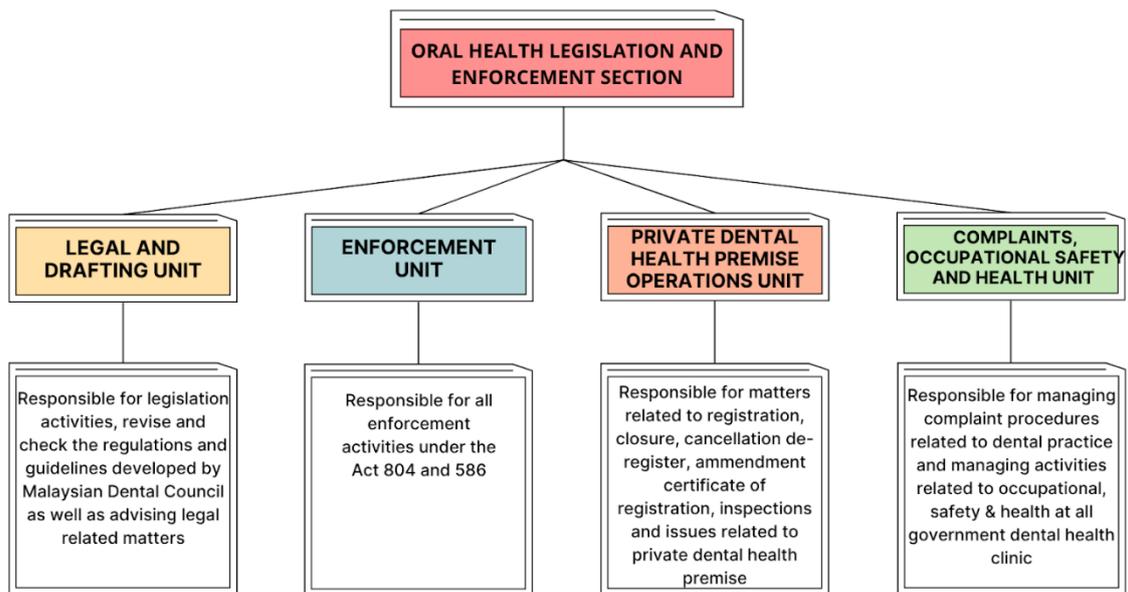


Figure 13.1 Units of Oral Health Legislation and Enforcement Section

The section's activities are also supported by 97 authorized officers appointed under Act 804 and 50 inspectors appointed under Act 586. In 2024, the function of the division was based on the following units:

LEGAL AND DRAFTING UNIT

The main function of this unit is to enact laws and regulations related to dental practice, besides providing input related to other laws that have an impact on dental practice. The scope of work of this unit is shown in Figure 13.2.

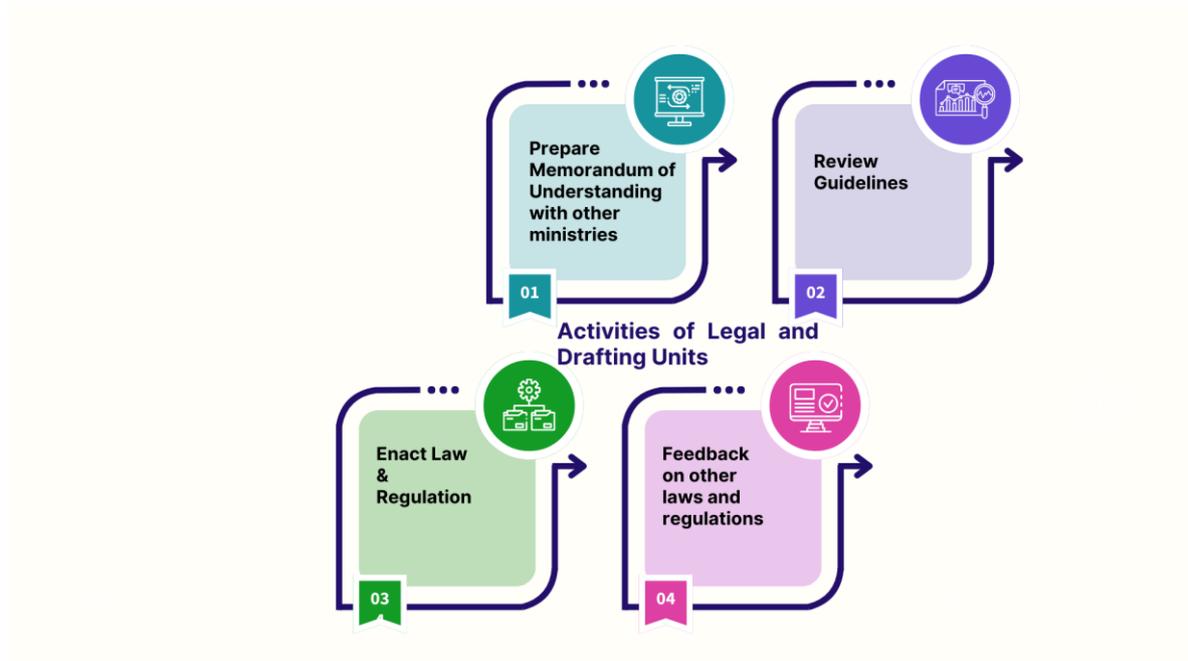


Figure 13.2 Activities of Legal and Drafting Unit

ENFORCEMENT UNIT

The dental enforcement unit is responsible for:

- i. Regulate the practice of dentistry under the Act 804
- ii. Ensure all registered private dental clinics comply with Act 804 and its regulations, Act 586 and its regulations and guidelines issued by the Malaysian Dental Council
- iii. Take appropriate enforcement action on complaints related to illegal dental practices

Activities conducted under this unit are:

- i. Curb illegal dental practice
- ii. Monitoring, verification, and surveillance inspections of Private Dental Clinics
- iii. Review investigation papers
- iv. Manage the appointment of authorized officers
- v. Prosecution
- vi. Supervision of enforcement activities

PRIVATE DENTAL HEALTH PREMISE OPERATIONS UNIT

The main function of this unit is to review and verify applications for registration of new Private Dental Clinics (PDC), amendment to the Certification of Registration (COR) for existing PDC, as well as reviewing the floor plan for licensing applications of Private Hospital Services (PHS) and Ambulatory Care Centres (ACC) with dental components. In 2023, this unit also oversaw the verification inspection of PDC for the implementation of compulsory services in the Private Dental Facilities (PDF) by the guidelines of the MDC effective July 2022. The activities are shown in Figure 13.3.

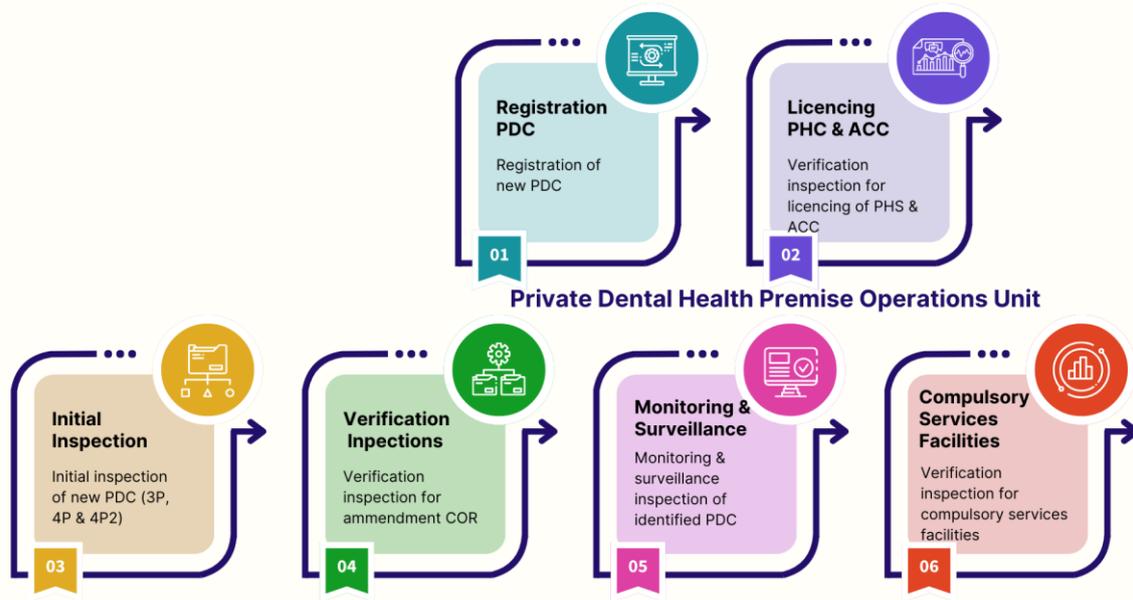


Figure 13.3 Activities Under the Private Dental Health Premise Operations Unit

OCCUPATIONAL SAFETY AND HEALTH UNIT

This unit is responsible for:

- i. Monitoring and supervising occupational safety and health audits at government dental facilities throughout the states
- ii. Reviewing guidelines on occupational safety and health
- iii. Reviewing the occupational safety and health audit checklist as required
- iv. Monitoring the incidence of injuries due to sharp tools among dental staff at all government dental facilities
- v. Monitoring the prevalence of dental staff infected with (detected) infectious diseases
- vi. Conducting training sessions for State/Federal Territory Occupational Safety and Health Auditors

ACT 804 AND DENTAL REGULATIONS

A year of enforcement of the Act 804 presented with many challenges in ensuring that the Act was regulated effectively.

One of the key changes in Act 804 is the establishment of an enforcement team. These officers are authorized to investigate and act against unregistered practitioners and are subject to the guidelines that have been developed. Under this act, the Dental Regulations (Compounding Offences) are also being developed and are being reviewed by the Legal Advisor's Office of the Ministry of Health Malaysia.

REGISTRATION OF PRIVATE DENTAL CLINIC (PDC)

NEW POLICY REGISTRATION OF PDC

Starting from 1 January 2024, the new policy on registration for PDC under Act 586 was fully introduced to all states, and all PDC registration applications will be fully processed by the Private Medical Practice Control Section Headquarters (PMPCS HQ)/ CKAPS HQ. Based on the new policy, there will no longer be a need for pre-registration inspections and the post-registration inspections which will be replaced by *Pemeriksaan Pematuhan Piawai (3P)*, *Pasca Pemeriksaan Pematuhan Piawai (4P)* or *Pasca Pemeriksaan Pematuhan Piawai Kedua (4P2)*.

Referring to the letter from the Director General (DG) of Health Malaysia dated 26 August 2024, effective from 2 September 2024, the work process for processing Applications for Registration of Private Medical Clinics or Private Dental Clinics (Form A) will adopt the latest work process. In short, the main difference in the work process is that the PMPCS HQ/ CKAPS HQ will fully receive and process the application, including the acceptance of payment fees, without going through the State/ Federal Territory Health Department (JKN/WP). The requirement for the applicant to submit a Post-Renovation Visual Proof Report for the Private Clinic has been abolished. The compliance of the clinic facility is based on the floor plan approved through a letter of no objection (STH) to the renovation. The implementation of this work process initiative is expected to shorten the processing time of the application and is hoped to bring maximum positive impact to various parties. The summary of the new policy for registration new PDC are shown in **Figure 13.4**.

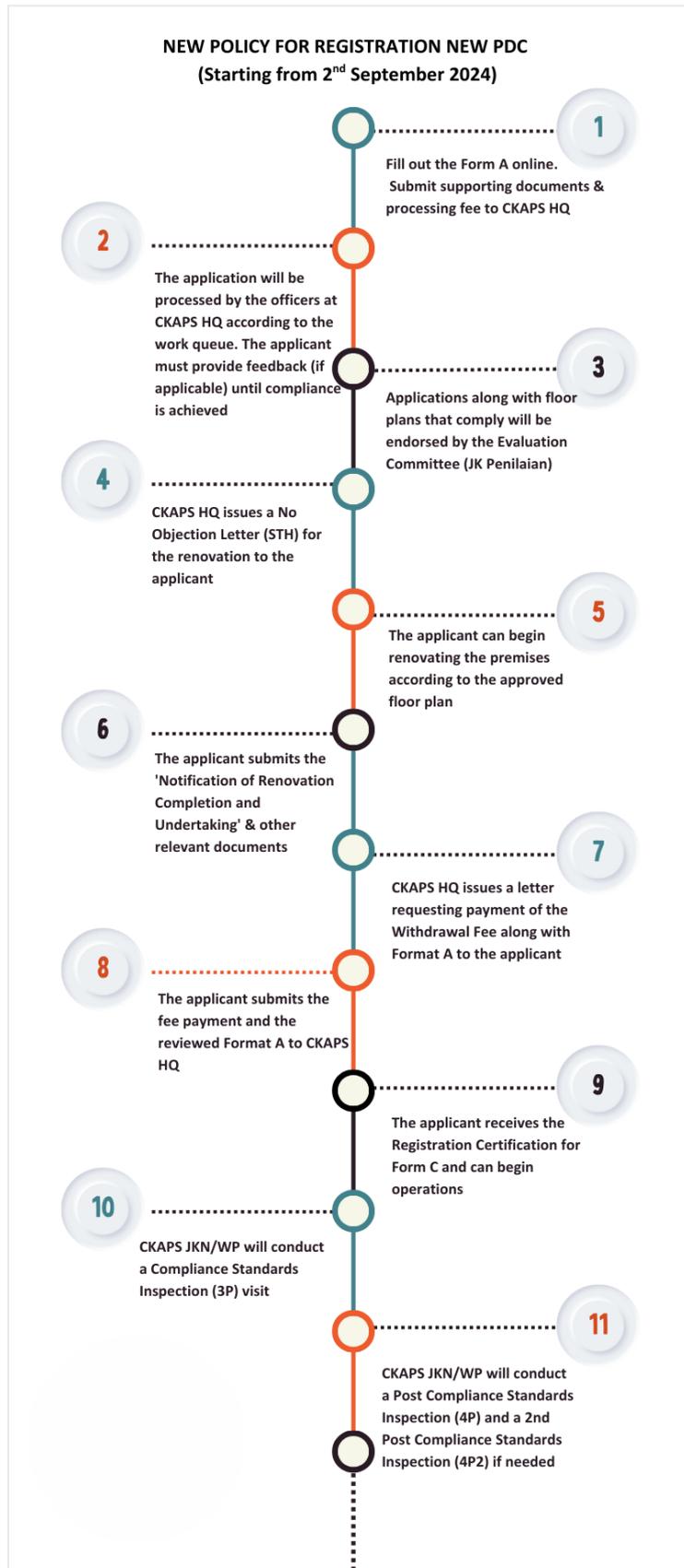


Figure 13.4 Summary of New Policy Registration for New PDC

PDC APPLICATION

In 2024, the number of applications for the registration of new PDC decreased 416 as compared to the 657 number of applications received in 2023. The breakdown of new PDC applications by state in 2024 is shown in **Figure 13.5**.

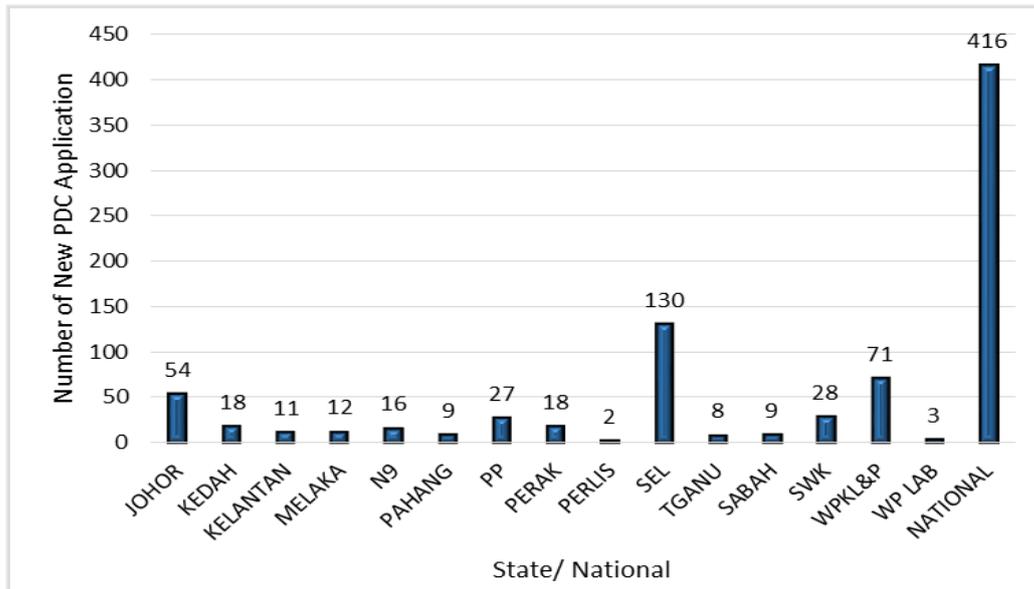


Figure 13.5 Numbers of New PDC Applications, 2024

PDC REGISTRATION

The number of new PDC registrations also decreased in 2024 compared to 2023, most likely due to transitional process and implementation of the new policy on PDC registration. However, the number of active PDC has been increasing annually over the past five (5) years (**Figure 13.6**).

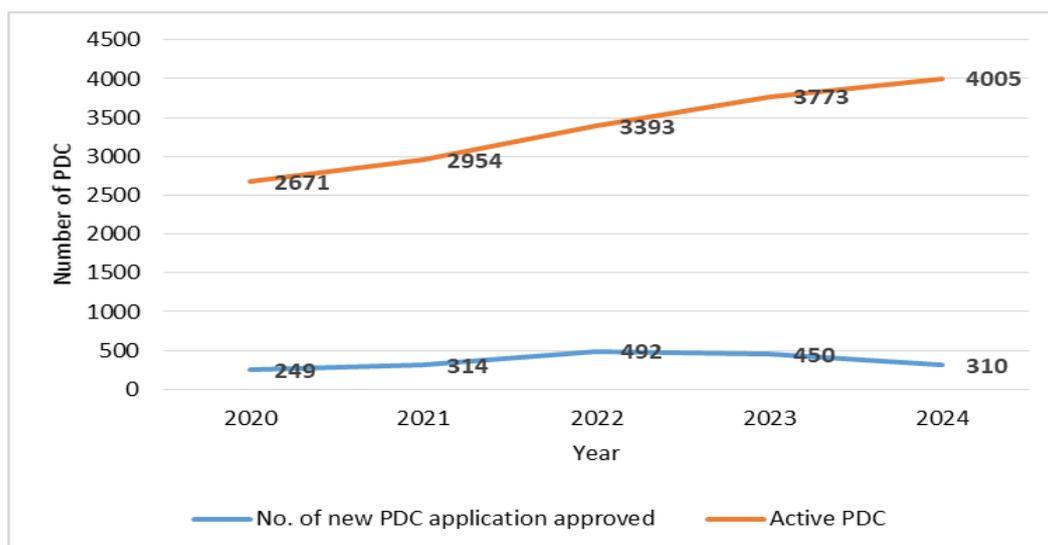


Figure 13.6 New PDC Applications Approved for Registration and Active PDC, 2020 to 2024

Selangor recorded the highest percentage of new PDC throughout 2024, at 30.96%, followed by Johor, with 14.51% of the new registrations of PDC in Malaysia. The distribution of new PDC by state in 2024 is shown in **Figure 13.7**.

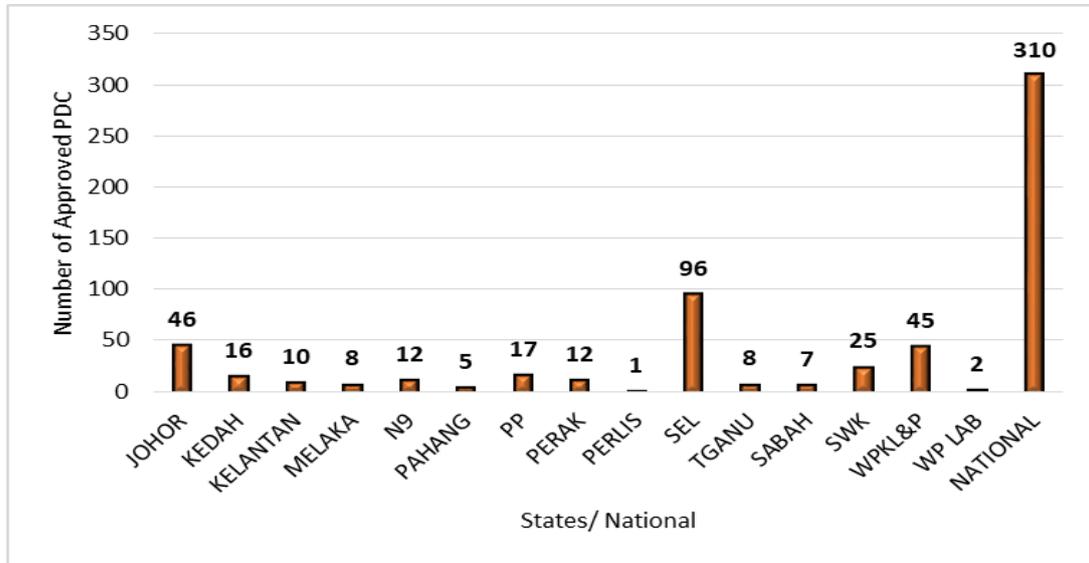


Figure 13.7 Distribution of New PDC by State, 2024

INSPECTION FOR NEW REGISTERED PDC

Pemeriksaan Pematuhan Piawai (3P) inspection is a requirement of the new PDC registration policy, and all PDC are required to undergo the 3P inspection within 3 months of receiving Form C. If non-compliance persists, follow-up visits such as *Pasca Pemeriksaan Pematuhan Piawai (4P)* and *Pasca Pemeriksaan Pematuhan Piawai Kedua (4P2)* must continue until the PDC complies with the relevant Acts and Regulations. A total of 101 3P inspections, 7 4P inspections, and no 4P2 inspections were reported in 2024 for new registered PDC. As a summary, the inspection for new registered PDC distribution by state is shown in **Figure 13.8**.

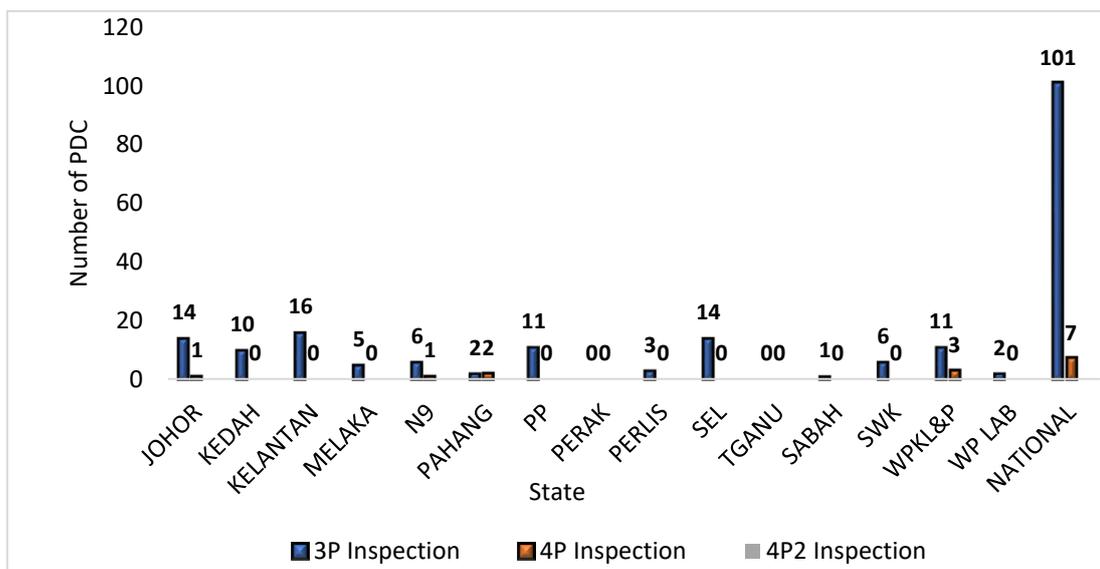


Figure 13.8 Summary of Inspection for New Registered PDC In 2024

DISPOSAL/ CANCELLATION/ WITHDRAWAL OF PRIVATE DENTAL CLINIC REGISTRATION

This section was also responsible to oversee the disposal and closure of dental clinics and withdrawal or registration applications. The number of disposals or cancellations of PDC increased by 11.43%, from 70 in 2023 to 78 in 2024 as shown in **Figure 13.9**.

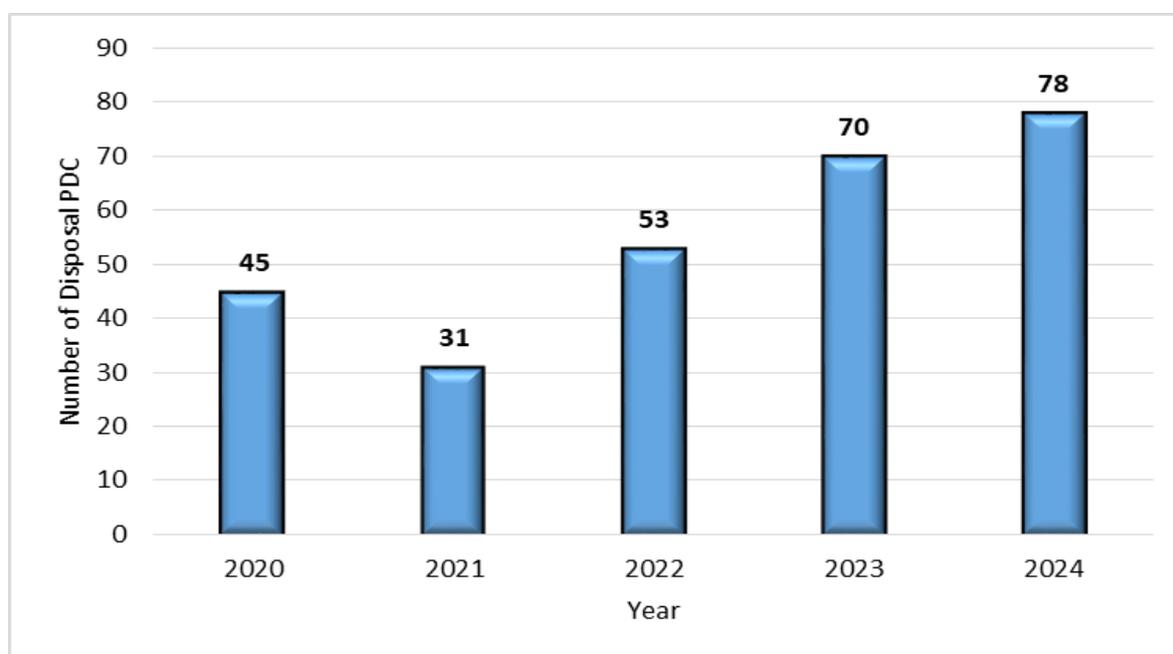


Figure 13.9 Trend of Disposal/ Cancellation of PDC, 2020 to 2024

A periodic inspection was conducted to ensure that the PDC is in compliance with the Acts and Regulations. Monitoring targets for year 2024 is shown in **Table 13.1**.

Table 13.1 Monitoring Targets of PDC in 2024

Total Number of Private Dental Clinics	Targets of Monitoring (%)	States Involved
≤ 80	100	Perlis & FT Labuan
81-150	80	N. Sembilan, Melaka, Pahang, Kelantan & Terengganu, Sarawak
150-250	60	Perak, Kedah, Sabah
≥ 251-350	40	Pulau Pinang
> 351	30	FT Kuala Lumpur & Putrajaya, Selangor, Johor

A summary of monitoring inspections by states is shown in **Table 13.2**. The state able to meet the Key Performance Indicator (KPI) target in 2024.

Table 13.2 Monitoring Inspection Achievements by States in 2024

State	Number of Private Dental Clinic (PDC)				
	No. of PDC by 1 Jan 2024	*Target for Monitoring Inspection (%)	No. of Target Monitoring Inspection	No. of Achieved Inspection	Achieved Inspection (%)
Perlis	13	100	13	13	100.00
Kedah	151	60	91	91	100.00
Pulau Pinang	257	40	103	103	100.00
Perak	201	60	121	121	100.00
Selangor	1,262	30	379	379	100.00
FT KL & P	588	30	176	176	100.00
Negeri Sembilan	117	80	94	94	100.00
Melaka	94	80	75	75	100.00
Johor	435	30	131	131	100.00
Pahang	99	80	79	79	100.00
Terengganu	91	80	73	73	100.00
Kelantan	112	80	90	90	100.00
Sabah	206	60	124	124	100.00
Sarawak	144	80	115	115	100.00
FT Labuan	3	100	3	3	100.00
Total	4005	95.00	1,667	1,667	100.00

Notes :

*The target for monitoring inspection is based on the number of private dental clinics in each state as follows:

- ≤ 80 clinics : 100%
- 81–150 clinics : 80%
- 151–250 clinics : 60%
- 251–350 clinics : 40%
- ≥ 351 clinics : 30%

The monitoring inspection in 2024 shows the highest achievement in five years, as shown in **Figure 13.10**.

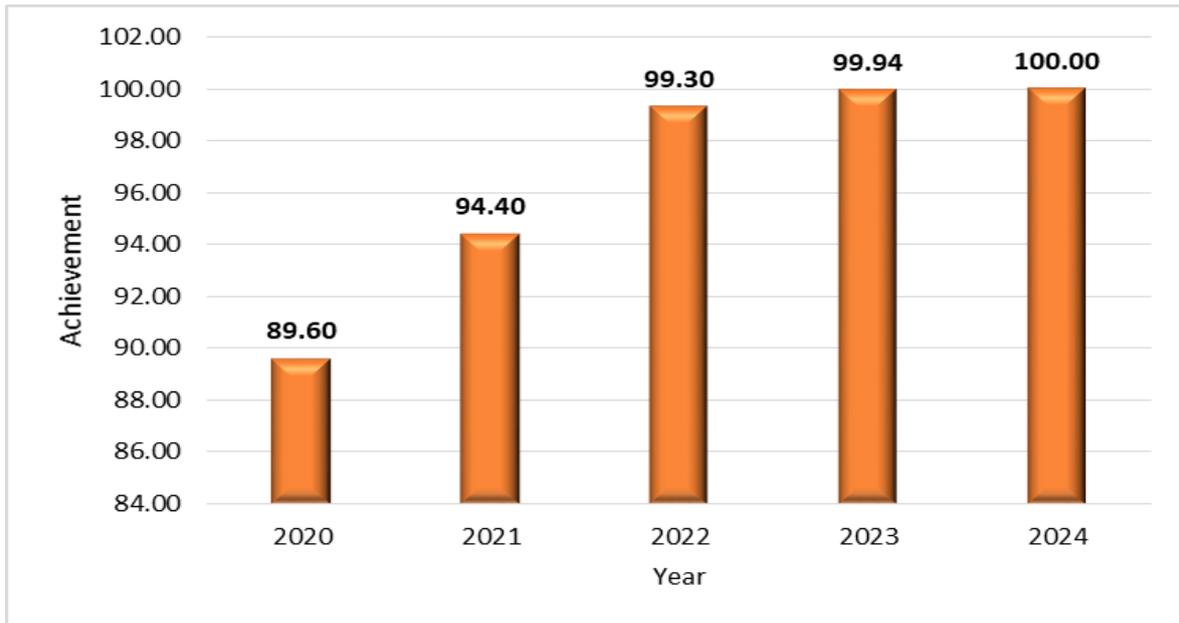


Figure 13.10 Trend of Achievement of PDC Monitoring Inspection, 2020 to 2024

SURVEILLANCE INSPECTION OF PDC

Surveillance inspections were conducted on PDC that did not comply with Act 586 and its Regulations during monitoring inspections. These inspections were carried out after a specified non-compliance notice period had been issued. The trend of surveillance inspections conducted over the past five (5) years is shown in **Figure 13.11**.

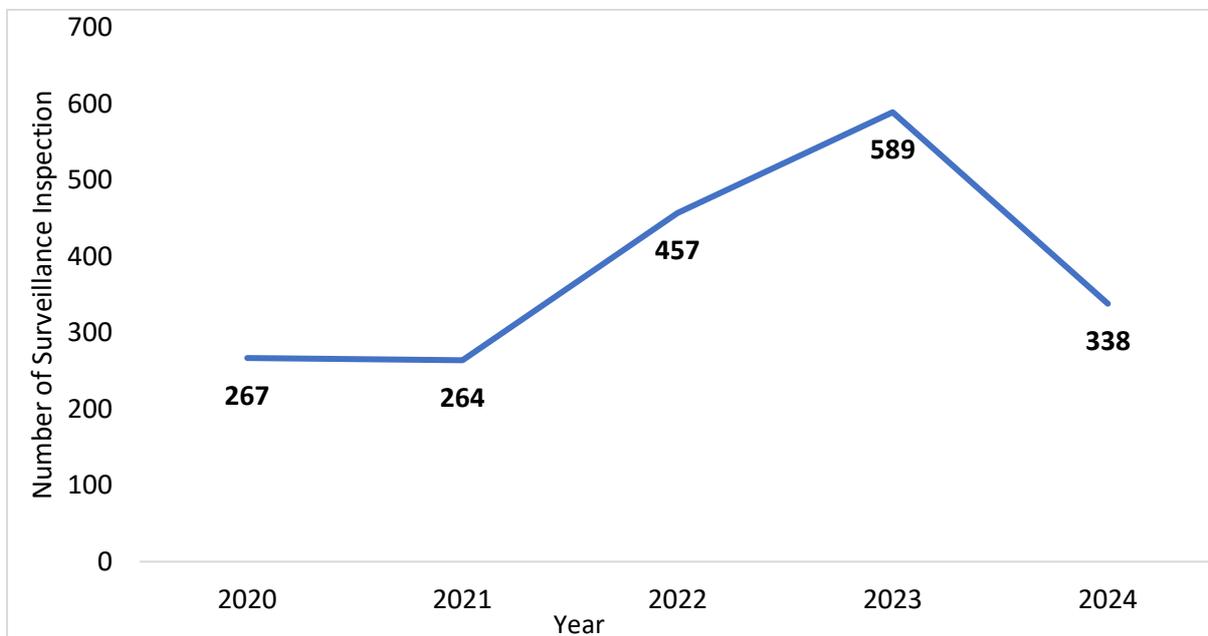


Figure 13.11 PDC Surveillance Inspection, 2020 to 2024

The number of surveillance inspections conducted in 2024 decreased to 42.61% from the previous year, with 338 inspections conducted. Additionally, the number of notices of non-compliance issued decreased by 19.74%, with a total of 1,008 notices issued. This decline is

due to the increased workload of enforcement officers to do monitoring inspection and the initial registration inspections of PDC (3P, 4P & 4P2 inspection).

VERIFICATION INSPECTION OF PDC

Rectification inspections are conducted by the Private Medical Practice Control Section (PMPCS) Headquarters to verify the disposal or cancellation of PDC registration and floor plan modifications. In 2024, there were 48 inspections conducted for disposal or cancellation of PDC registration and 162 inspections for verifying amendments of Certificate of Registration (COR).

Selangor reported the highest number of inspections for disposal/cancellation of PDC registration verification (21 inspections) and highest number of inspections for verifying Certificate of Registration (COR) for amendments (67 inspections). The results of the inspections are shown in **Table 13.3**.

Table 13.3 Verification Inspection Conducted by State, 2024

State	No. of Verification Inspection	
	Number of COR Amendment	Number of Disposal of Private Dental Clinic
Perlis	2	0
Kedah	10	2
Pulau Pinang	1	1
Perak	0	0
Selangor	67	21
FT KL & P	50	8
Negeri Sembilan	11	7
Melaka	5	2
Johor	3	3
Pahang	1	1
Terengganu	3	0
Kelantan	3	1
Sabah	6	0
Sarawak	0	2
FT Labuan	0	0
Total	162	48

IMPLEMENTATION OF COMPULSORY SERVICES IN PRIVATE DENTAL FACILITIES

In 2024, this unit also verified inspection of Private Dental Facilities (PDF) for the implementation of compulsory services in the PDF by the guidelines of the MDC effective in July 2022. The number of verification inspections and applications approved are shown in **Figure 13.12**.

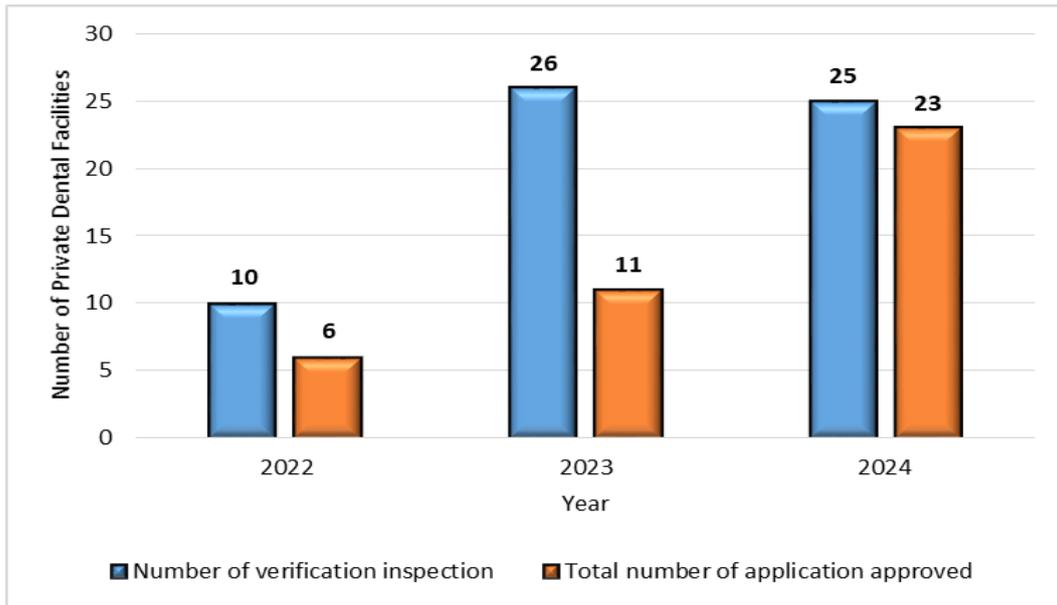


Figure 13.12 Verification Inspection & Total Application Approved of Compulsory PDF 2022 – 2024

In 2024, a total of 25 applications received for verification purpose and as overall, a total 23 applications (37.70%) have been approved by the MDC from 2022-2024.

LICENSING OF PRIVATE HOSPITAL SERVICES (PHS) AND AMBULATORY CARE CENTERS (ACC) WITH DENTAL COMPONENTS

The Oral Health Legislation and Enforcement Section also assists in reviewing the floor plan of the PHS and ACC with dental components. As of 31 December 2024, there were 28 PHS, eight (8) ACC and one (1) combined facility (PHS & ACC) with dental components that have been approved (**Figure 13.13**).

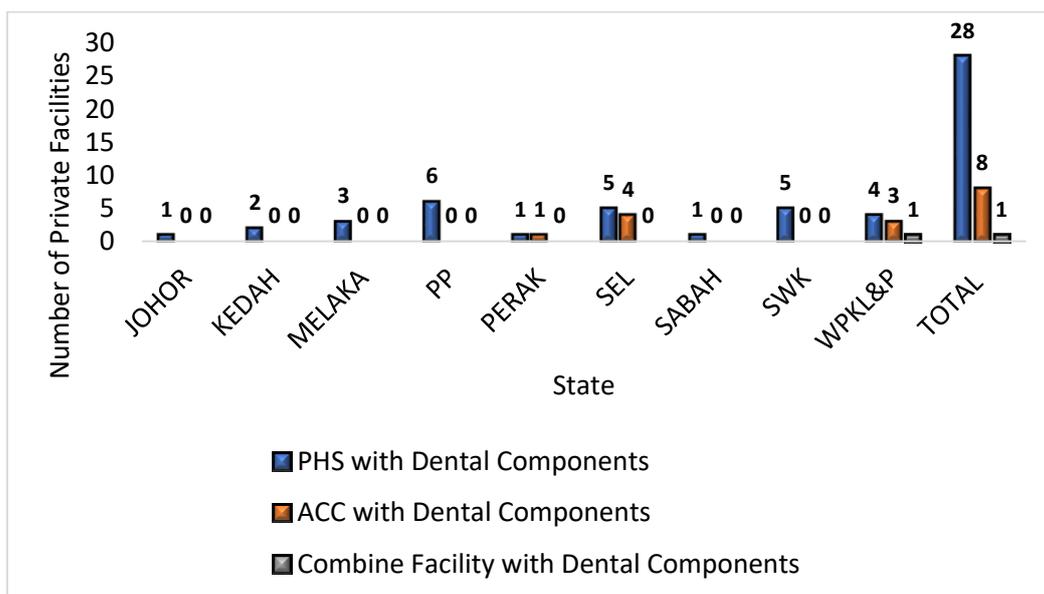


Figure 13.13 PHS and Private ACC by State, 2024

COMPLAINT MANAGEMENT

All information and complaints regarding PDC and illegal practitioners were handled in accordance with the SOP for Complaint Management under Act 804 and Act 586.

All complaints received were registered and a preliminary information report was prepared within three (3) days. The total number of complaints received increased from 92 in the year 2023 to 112 in 2024. Complaints concerning illegal dental practice also increased from 74 in 2023 to 93 cases in 2024 (**Figure 13.14**).

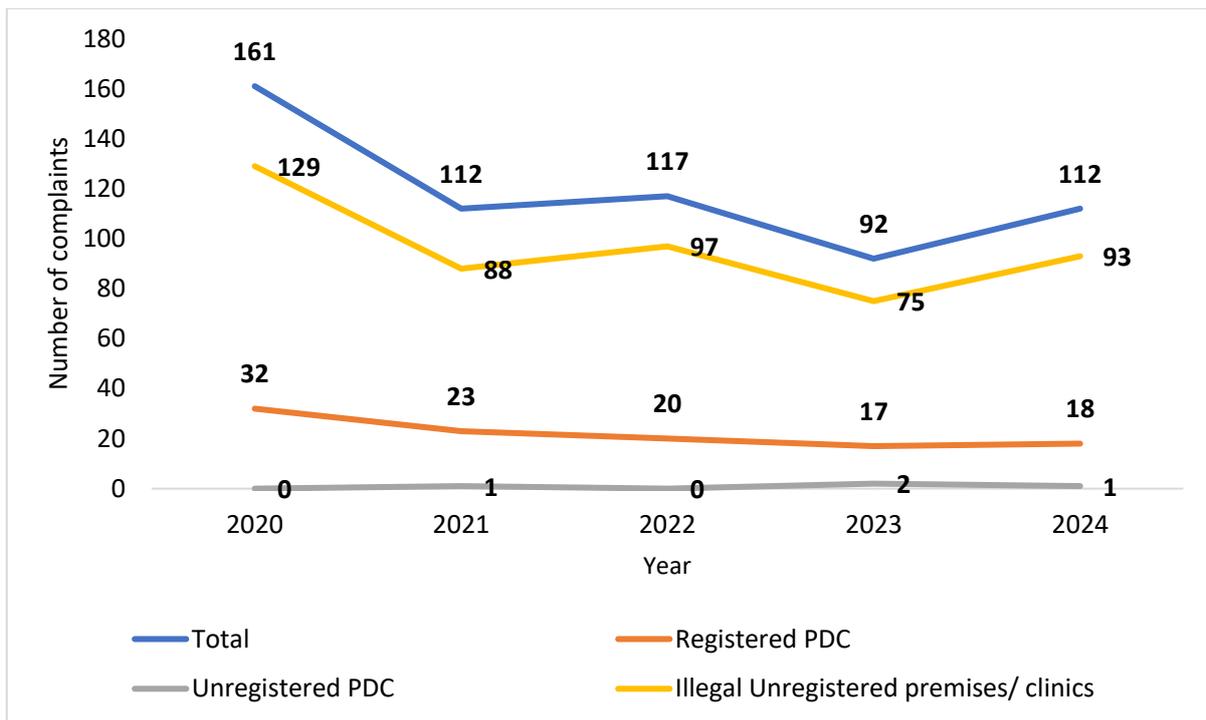


Figure 13.14 Complaints Trend, 2020 to 2024

Out of 112 complaints, 93 cases involved illegal dental practice, 18 cases at registered PDC and one (1) case of dental practice at PDC that is in the registration process. For the illegal dental practice received in 2024, most of the complaints [(48) complaints were about fake braces followed by complaints about dental veneers (23) and other services such as denture, whitening, extraction and others (18) complaints]] as shown in **Figure 13.15**.

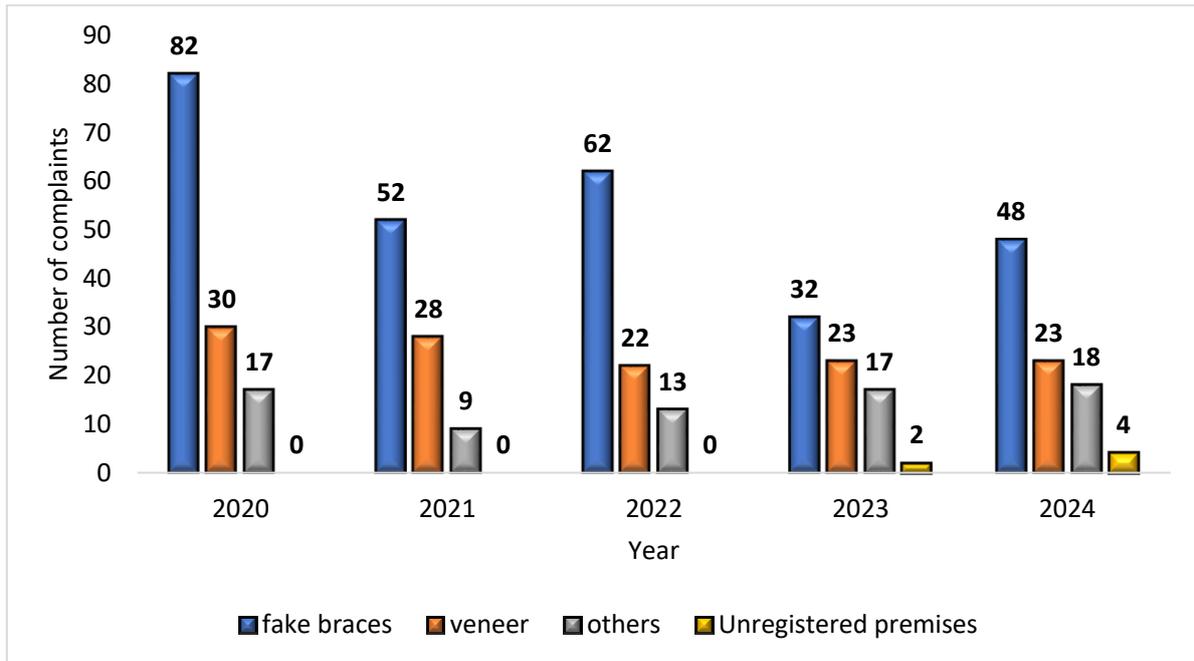


Figure 13.15 Complaints Concerning Illegal Dental Practices or Unregistered Dentists, 2020 to 2024

COMPLETION OF COMPLAINTS

In 2024, 18 complaints related to PDC were fully resolved. Enforcement action taken on illegal dental practices increased in 2024 compared to the previous year, as shown in **Figure 13.16**.

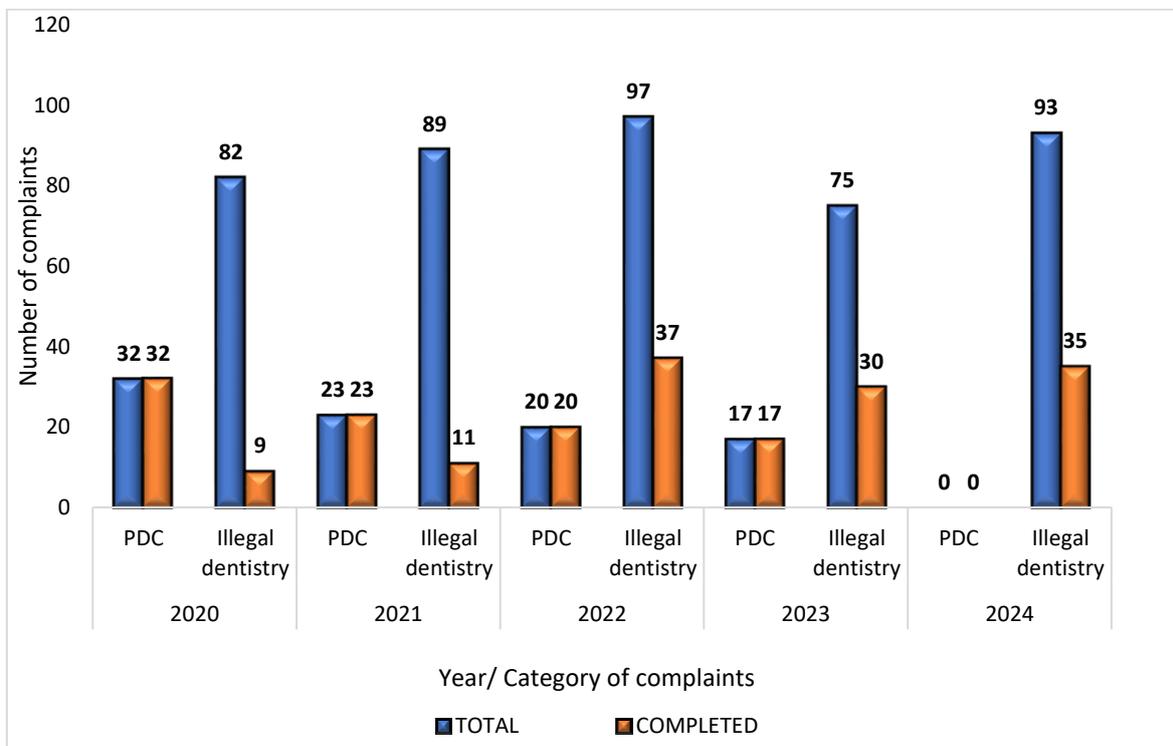


Figure 13.16 Complaints Completed, 2020 to 2024

RAIDING ACTIVITIES

Raiding activities were conducted on PDC since 2020 to monitor compliance with the related act. In 2024, the main purpose of raiding activities was to combat unregistered dental clinics or premises that were suspected of violating the law. The summary of the raids is shown in **Figure 13.17**.

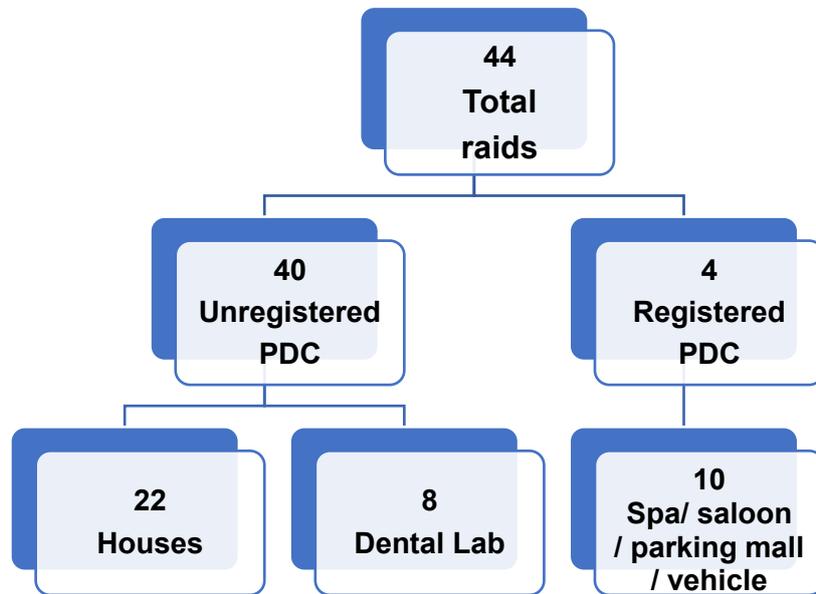


Figure 13.17 Summary of Raiding Activities in 2024

In 2024, authorized officers carried out a total of 44 raids in efforts to curb illegal dental practices. A total of 75 investigation papers were opened for prosecution with fines collected amounting to MYR 1,729,000.

OCCUPATIONAL SAFETY AND HEALTH (OSH) AUDIT

The OSH audit implementation conducted in all type of facilities as follows:

- i. Dental clinic in health clinic
- ii. Standalone dental clinic
- iii. Dental clinic in the hospital
- iv. Dental specialist clinic in the hospital
- v. Non-hospital-based dental specialist clinic in health clinic
- vi. The dental clinic at the Urban Transformation Centre (UTC)
- vii. The dental clinic at the Rural Transformation Centre (RTC)
- viii. Dental clinics at institutions
- ix. The dental clinic at the Mother and Child Health Clinic (MCHC)
- x. Mobile/Boat Dental Clinic
- xi. Dental school clinic/ dental school center
- xii. Mobile dental team
- xiii. Mobile dental lab

One of the OHP MOH KPIs in the year 2024 was the percentage of MOH dental facilities which achieved 90% or more compliance during safety and health audits to ensure audited facilities are at the optimum levels set at $\geq 90\%$.

In 2024, 50.53% of dental facilities in the state and the Federal Territory (1,181 out of 2,337) were planned for OSH audits. The details of the audit achievements are shown in **Table 13.4**.

Table 13.4 MOH Dental Facilities Which Achieved 90 Percent or More Than Comply to OSH Audit, 2024

State	Number of MOH Dental Facilities Which Achieved 90 Per Cent or More Compliance During OSH Audit	Number Of MOH Dental Facilities Audited	Percentage (%)
Perlis	26	26	100.00%
Kedah	88	88	100.00%
Pulau Pinang	74	74	100.00%
Perak	100	100	100.00%
Selangor	93	93	100.00%
FT KL & P	51	52	98.08%
Negeri Sembilan	60	60	100.00%
Melaka	44	44	100.00%
Johor	111	114	97.37%
Pahang	96	96	100.00%
Terengganu	64	65	98.46%
Kelantan	106	106	100.00%
Sabah	105	105	100.00%
Sarawak	147	150	98.00%
FT Labuan	5	5	100.00%
Negeri Sembilan	60	60	100.00%
Melaka	44	44	100.00%
Total	1,173	1,181	99.32%

INCIDENCE OF SHARP INJURIES

In 2024, the OSH Unit documented incidents of injuries caused by sharp equipment in government dental facilities. The incidence of sharp injuries is depicted in **Figure 13.18**.

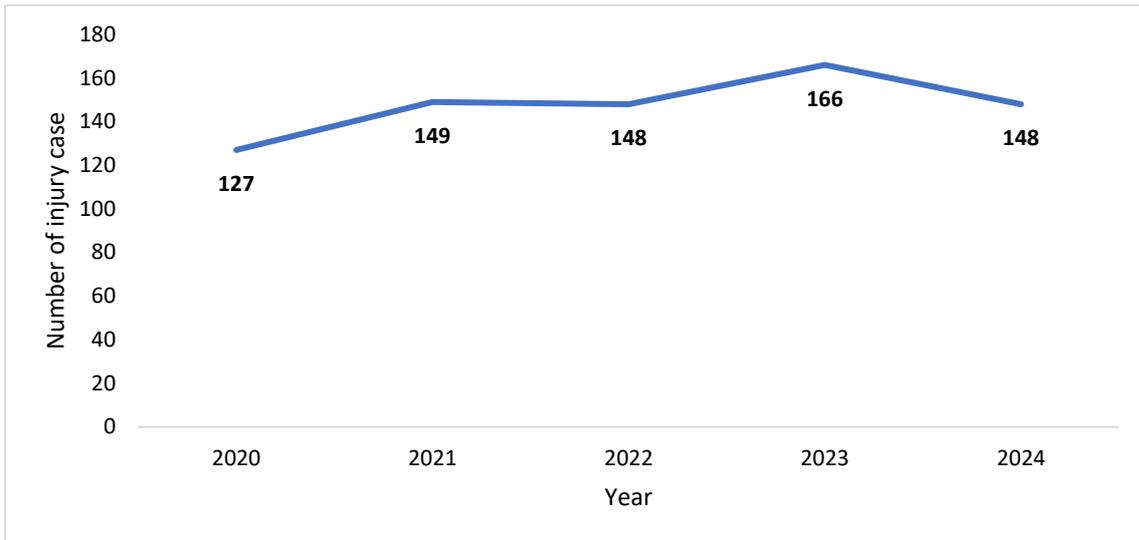


Figure 13.18 Trend of Sharp Injury Incidence, 2020 to 2024

A total of 148 cases of sharp injuries were reported among government dental staff. There were fewer incidents in 2024 compared to 2023, with a decreased of 10.84%. Out of 148 reported sharp clinical instrument injury cases, hypodermic needle injury was the most common cause of the injuries (33.10%; 49 cases) as shown in **Figure 13.19**.

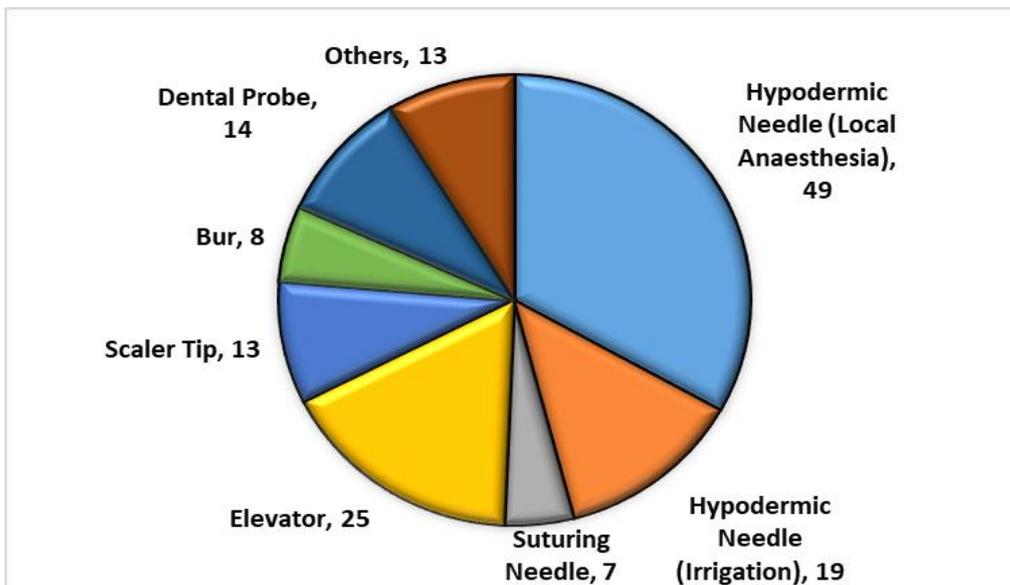


Figure 13.19 Type of Sharp Clinical Instrument Injuries Reported in 2024

PROMOTION ACTIVITIES

The Legislation and Enforcement Section took steps to educate the public about illegal dental practices. The department used a variety of methods to raise awareness including radio and television broadcasts, one-on-one discussions and exhibitions.

The department also distributed pamphlets and buntings to inform the public about the

dangers of illegal dental practices (**Table 13.5**). Terengganu conducted the highest number of promotional activities in 2024.

The promotional activities were also extended nationwide through engagement with the Malaysian Dental Association, Director of State Prosecution, Media Prima Berhad and other related agencies.

Table 13.5 Promotion Activities 2024

State	Promotion Activities			
	Radio Talk/ TV Interview	Talk	Exhibition	Training for Staff
Perlis	0	2	1	0
Kedah	0	7	5	0
Pulau Pinang	0	1	3	0
Perak	0	3	0	0
Selangor	0	1	1	1
FT KL & Putrajaya	0	6	20	4
Negeri Sembilan	0	1	2	1
Melaka	2	1	0	3
Johor	3	5	6	0
Pahang	0	2	3	3
Terengganu	0	145	155	0
Kelantan	1	2	1	4
Sabah	0	2	2	0
Sarawak	1	0	0	0
FT Labuan	0	2	0	0
OHP MOH	2	0	1	0
Total	9	180	200	16

ACTIVITIES OF ENHANCEMENT IN COMPETENCY OF DENTAL ENFORCEMENT OFFICERS

In 2024, total expenditure for in-service training (*Latihan Dalam Perkhidmatan*) was MYR 54,568.00. Although the approved budget targeted for 4 (four) trainings conducted throughout the year 2024, this Section managed to organize more than planned as shown in **Table 13.6**.

Table 13.6 Courses or Training Organized in 2024

Title of Course/ Training	Budget Allocation (MYR)
1. Bengkel Pengendalian Risiko Alatan Tajam	13,000
2. Bengkel First Responder	6,793
3. Kursus Intipan, Risikan & Serbuan	19,640
4. Pengenalan Asas Akta Pergigian 2018 dan Akta-Akta Berkaitan	14,360
5. Kursus Keterampilan Diri Pegawai Diberi Kuasa Akta Pergigian 2018	625
6. Bengkel Teknik Pendakwaan	150
7. E-Filing Kehakiman	
Total	54,568

The implementation of all the activities that have been carried out as well as the cooperation and collaboration from various parties for the year 2024 are displayed in **Image 13.1**.



Surveillance, Intelligence & Raid Course
(June 10th -13th, 2024)



Handling of Sharps Instruments Course
(March 6th -8th, 2024)



Dental Act Course
(July 23rd -25th, 2024)



Grooming & Self-Skill Course
(August 29th, 2024)



Enforcement Officer's Meeting
(February 13rd - 15th, 2024)



Safety & Health Coordinator's Meeting
(March 5th - 6th, 2024)



Engagement Meeting with PDRM
(January 24th, 2024)



Engagement Meeting with Shopee & Lazada
(3rd July, 2024)

Image 13.1 Courses and Activities Conducted in 2024

Oral Health Quality Initiatives Section



Quality
Assured,
Oral
Health
Secured

Quality
Drives Our
Services

Ensuring
Quality,
Safeguarding
Oral Health

*From left to right :
Dr. Siti Khuzaimah binti Abdul Karim,
Dr. Yap Chia Wei, Datin Dr. Nazita binti
Yaacob, Ms. Siti Aisyah binti Jaafar*

ORAL HEALTH QUALITY INITIATIVES

The Quality Assurance Programme (QAP) is intended to demonstrate the commitment to quality improvement and compliance measurement towards required standards. In dentistry, QAP is a mechanism to assess quality of care as well as to implement and evaluate changes in the patient care delivery system towards maintaining or improving the quality of services. With the advent of the National Policy for Quality in Healthcare (NPQH), aimed to bridge silos among agencies and accelerate improvements in healthcare, OHP MOH takes cognizance of the emphasis to provide high quality healthcare initiatives that are Safe, Timely, Effective, Equitable, Efficient, People-centred and Accessible (STEEPA).

Quality Improvement Initiative (QII) activities should adopt a systematic and continuous approach to enhancing the quality of services delivered. The aim of QII is to achieve high standards of care. The focus is placed on improving processes rather than targeting individuals, emphasizing the prevention of errors instead of assigning blame.

The indicators monitored under the QAP include the National Indicator Approach (NIA), District/Hospital Specific Approach (DSA/HSA), Key Performance Indicators (KPI), and others. The achievement of these indicators are monitored periodically at the national level. The indicators are reviewed occasionally to ensure they remain relevant and aligned with current situations and conditions.

NATIONAL INDICATOR APPROACH (NIA)

In 2024, four (4) indicators under the National Indicator Approach (NIA) were monitored to measure the performance of primary and community oral healthcare (**Table 14.1**).

Table 14.1 Oral Health NIA Achievement, 2023 and 2024

No.	Indicator	Standard	Achievement 2023	Achievement 2024	SIQ Yes/No
1	Percentage of primary schoolchildren maintaining orally-fit status	≥65%	54.7%	57.1%	Yes
2	Percentage of secondary schoolchildren maintaining orally-fit status	≥70%	61.8%	66.9%	Yes
3	Percentage of non-conformance of fluoride level at reticulation points (Level < 0.4ppm)	≤25%	20.5%	15.2%	No
4	Percentage of non-conformance of fluoride level at reticulation points (Level > 0.6ppm)	≤7%	0.6%	0.4%	No

The trends in NIA achievement are illustrated in **Figures 14.1 to 14.4**. In 2024, there was a slight improvement in the percentage of primary (2.4%) and secondary (5.1%) schoolchildren maintaining orally-fit status compared to the previous year.

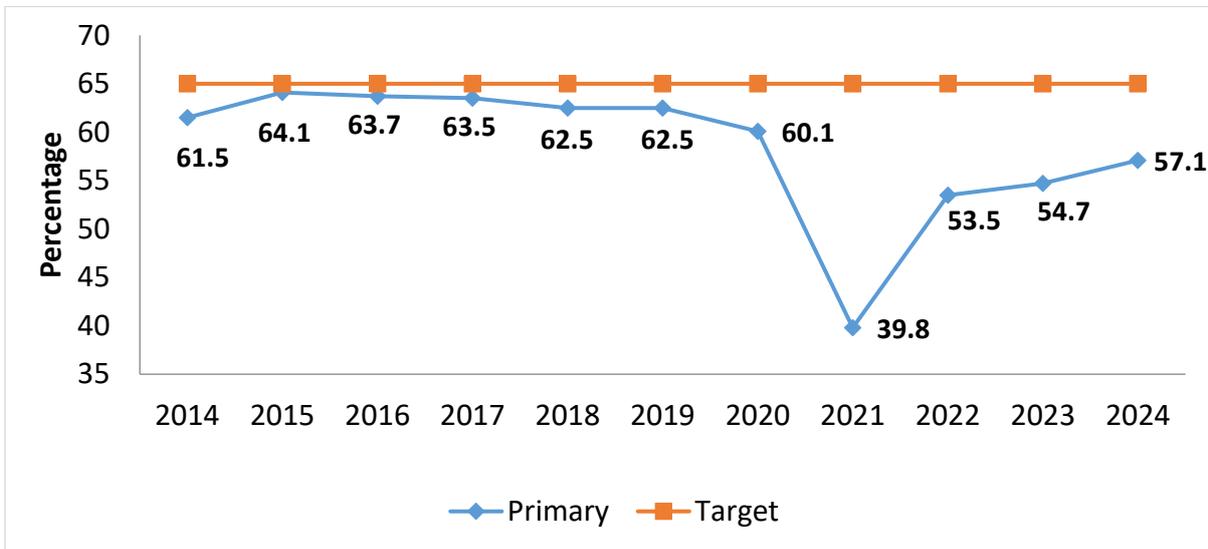


Figure 14.1 Percentage of Primary Schoolchildren Maintaining Orally-Fit Status, 2014 to 2024

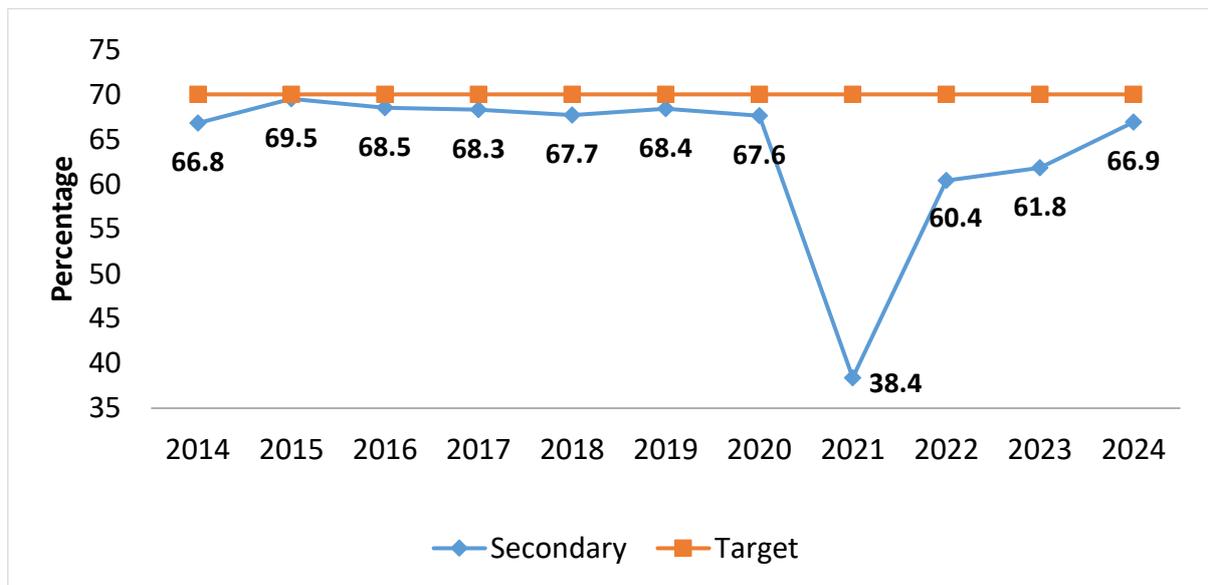


Figure 14.2 Percentage of Secondary Schoolchildren Maintaining Orally-Fit Status, 2014 - 2024

In 2024, the achievement of optimal fluoride level conformance improved by 5.3% for levels below 0.4 ppm (**Figure 14.3**). Similarly, the achievement for levels above 0.6 ppm also showed 0.2% improvement (**Figure 14.4**), with both reached the established standards.

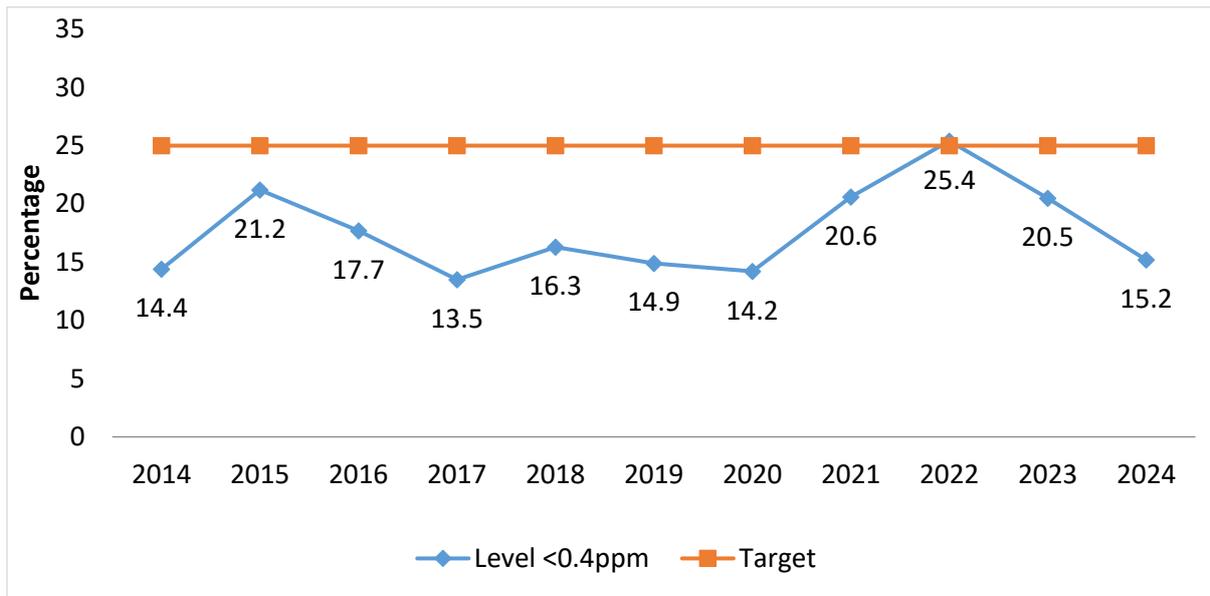


Figure 14.3 Percentage of Non-conformance of Optimal Fluoride Level at Reticulation Points, Level < 0.4ppm, 2014 – 2024

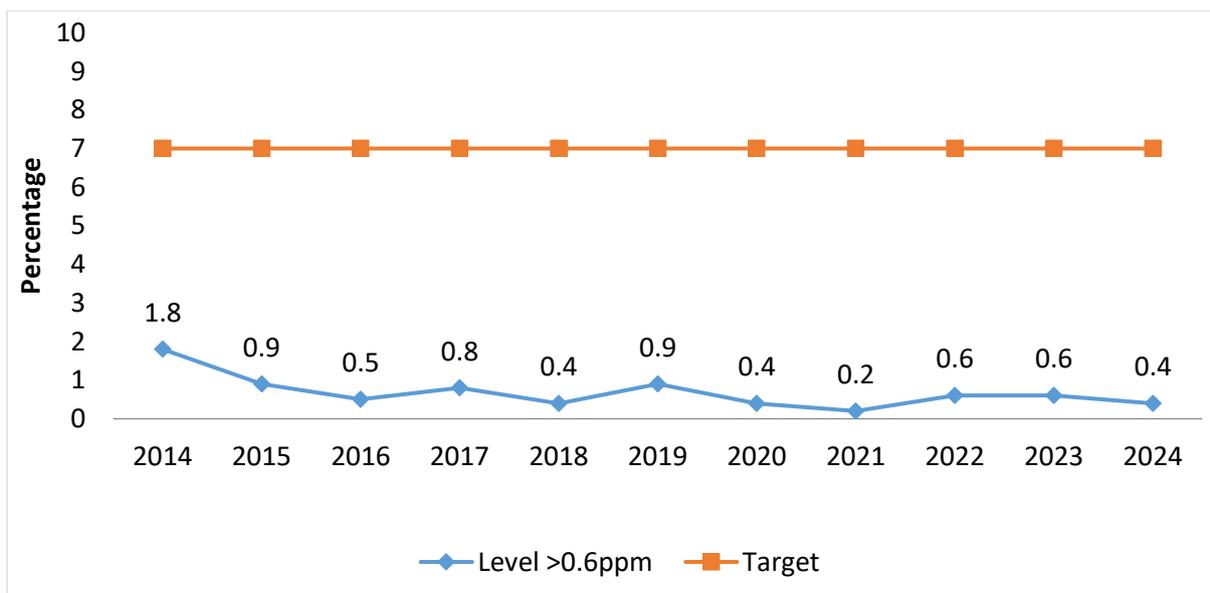


Figure 14.4 Percentage of Non-conformance of Optimal Fluoride Level at Reticulation Points, Level > 0.6ppm, 2014 - 2024

KEY PERFORMANCE INDICATORS (KPI) 2024

The OHP MOH monitored 24 Key Performance Indicators (KPI) in 2024. Two (2) indicators were monitored quarterly; 15 indicators were monitored six (6) monthly and seven (7) indicators were monitored annually. **Table 14.2** shows all indicators monitored at the national level in the current year (2024).

Table 14.2 Key Performance Indicators, OHP MOH 2024

KPI Domain	KPI Number	Indicator	Target	Achievement
Accessibility to MOH oral healthcare services	1	Percentage of visiting Dental Clinics visited for primary dental services on a scheduled basis ≥ 12 times per month	$\geq 25\%$	17.4%
	2	Percentage of use of government dental health facilities by the population	$\geq 22\%$	27.0%
	3	Percentage of health clinics with dental facility component	$\geq 60\%$	55.2%
	4	Percentage of dental health care coverage for the Orang Asli and Orang Penan communities	$\geq 20\%$	32.7%
Oral health status of Toddler	5	Percentage of toddlers maintaining orally-fit status (based on new attendances)	$\geq 75\%$	78.9%
Oral health status of antenatal mother	6	Percentage of antenatal mothers with orally fit status	$\geq 15\%$	23.3%
Oral health status of school children	7	Percentage of 6-year-old school children free of dental caries	$\geq 45\%$	48.4%
	8	Percentage of 12-year-old school children free of dental caries	$\geq 71\%$	75.6%
	9	Percentage of 16-year-old school children free of dental caries	$\geq 61\%$	62.1%
Delivery of denture services	10	Percentage of patients aged 60 years and above who received their dentures within 8 weeks	$\geq 75\%$	85.7%
	11	Percentage of studies that have a high impact on the Dental Health Services of the Ministry of Health Malaysia (MOH)	$\geq 15\%$	92.2%
	12	Percentage of Dental Clinics that provide online dental clinic appointment system services on the MyVAS (Malaysia's Virtual-Health Assistant System) system to MOH customers.	$\geq 85\%$	96.8%

KPI Domain	KPI Number	Indicator	Target	Achievement
Efficiency and effectiveness of services delivery	13	The percentage of primary school students who have been identified as smokers while going through the KOTAK Program quit smoking after six (6) months	≥20%	58.6%
	14	Number of Dental Health Education materials produced and assessed using <i>Alat Penilaian Bahan Pendidikan Pesakit</i> (PEMAT) that received at least 15 shares on the State Dental Health Division's official Facebook page in a year	192 (National) / (12 per year per state)	512
	15	The percentage of districts / divisions / areas / zones that carry out at least five (5) activities involving the Ikon Gigi within a year	≥75%	100%
	16	Percentage of successful treatment for teeth that have been given fissure sealant	≥80%	97.9%
	17	Percentage of patients with oral lesions who were referred to and attended their appointments at the Specialist Dental Clinic to improve early detection of oral cancer	≥85%	92.7%
	18	Percentage of patients who showed reduction in periodontal pocket depth ≥ 50% after receiving treatment for 6 months	≥75%	86.3%
	Quality dental service and MS ISO certification	19	Percentage of MOH dental facilities which achieved 90 percent or more compliance during safety and health audits	≥90%
20		Percentage of dental clinics with MS ISO 9001:2015 certification	≥90%	95.8%
Monitoring of private dental clinic	21	Percentage of monitoring inspections conducted on identified Private Dental Clinics (KPS) to ensure compliance with relevant acts	≥95% (National)	100%

KPI Domain	KPI Number	Indicator	Target	Achievement
		and regulations to assure patient safety and health		
Index of customers satisfaction	22	Percentage of customers satisfied with dental services received	≥95%	98.2%
Index of innovation culture	23	Cultivation of an Innovation Culture in Dental Clinics	≥97%	99.3%
Complaints index	24	Percentage of complaints in which the complainant was satisfied with the final resolution	≥95%	100%

CLIENT SATISFACTION SURVEY

In 2024, Client Satisfaction Surveys were conducted using standardized and validated questionnaire endorsed by the OHP MOH. The objective was to assess customer satisfaction levels at all MOH dental clinics, including visiting clinics, that provide primary oral healthcare and Non-Hospital Based specialist services. A total of 70,814 respondents participated in the survey, with 98.2% (69,532 respondents) expressing satisfaction with the services received.

CLIENTS' CHARTER

The Clients' Charter is a commitment from an organization that outlines the standards of service provided to its clients. It also defines how services are delivered including timeliness, efficiency and quality. The OHP MOH Clients' Charter applied for two (2) main areas as the following:

1. Core Clients' Charter of the MOH (**Table 14.3**)

Table 14.3 Core Clients' Charter of the MOH, 2024

Indicator	Target	Achievement
<i>Memastikan setiap pelanggan berpuas hati dengan perkhidmatan diberikan dengan memantau:</i>		
<i>70 peratus pesakit dipanggil untuk perkhidmatan kesihatan pergigian dalam tempoh 30 minit (Pengukuran 2 kali setahun)</i>	70%	74.4%
<i>95 peratus pelanggan berpuas hati dengan perkhidmatan kesihatan pergigian yang diterima (Pengukuran sekali setahun)</i>	95%	98.2%

2. Clients' Charter for the OHP MOH (Table 14.4)

Table 14.4 Clients' Charter of OHP MOH

No.	Client's Charter Indicator	Target	Achievement
1	Clients are served efficiently and in a friendly manner	100%	100%
2	Clients are given relevant information on services provided	100%	100%
3	Clients with appointment are seen within 15 minutes of their appointment time	100%	100%

FEEDBACK MANAGEMENT (COMPLAINT AND NON-COMPLAINT)

The Oral Health Quality Section serves as the Feedback Coordinator for the OHP MOH and is also responsible for monitoring feedback received from the states. In 2024, a total of 921 responses were recorded, comprising 595 complaints and 326 non-complaints/suggestion. Throughout the year, 99.8% of the responses were resolved within the stipulated timeframe.

MALAYSIAN PATIENT SAFETY GOALS (MPSG)

Each dental facility is required to submit data online via a website developed by the Patient Safety Unit, Medical Development Division and manually to the Oral Health Quality Section by 31 January of the following year. There are four (4) Malaysian Patient Safety Goals (MPSG) 2.0 items applicable to dental clinics, namely:

- Medication Without Harm
- Prevention of Patient Fall
- Patient Identification
- Implementing Incident Report (IR) and Learning System

The MPSG 2.0 achievements for the year 2024 are presented in Table 14.5.

Table 14.5 Achievement of Malaysian Patient Safety Goals (MOH Dental Facilities) 2024

Goal Number	KPI Number	Indicator	Target	Achievement
3	5	Number of Medication Error leading to Severe Harm or Death	0	1
		Number of Actual Medication Error	-	1
		Number of Near Miss Medication Error	-	0
		Total number of clinic attendance	-	7,051,742

Goal Number	KPI Number	Indicator	Target	Achievement
5	7	Rate of patient fall:	≤ 5%	0.00008% (n=17)
		<table border="1"> <tr> <td>Total number of patient fall</td> <td rowspan="2">X 100%</td> </tr> <tr> <td>Total number of clinic attendance</td> </tr> </table>		
Total number of patient fall	X 100%			
Total number of clinic attendance				
6	8	Number of Patient Safety incidents caused by wrong patient identification (detected through incident reporting & investigation)	0	1
7	9	Implementation of Incident Reporting System or other Methods to Investigate Incidents	Yes	Yes
		Total number of patient safety incident reporting done	-	161
		Total number of patient safety incident with severe or death outcome.	-	32
		Total number of patient safety incident with severe or death outcome that were investigated and action taken.	-	32

The Incident Reporting (IR) format includes ten (10) codes relevant to dental clinics, each categorized into red, yellow, or green levels. Incidents classified under the red category must be reported immediately within 24 hours by the respective facility, with a full report and Root Cause Analysis (RCA) to be submitted within 60 days of the incident. The incident reporting data for 2024 are presented in **Table 14.6**.

Table 14.6 Incident Report Status by Incident Codes 2024

Code Number	Incident	Total	Red	Yellow	Green
30	Incidents related to ANY dental clinical procedures	130	32	68	30
31	Malfunction / intentional or accidental misuse of equipment / incidents related to use of equipment that occur during treatment or diagnosis of patient	11	0	7	4
32	Assault or battery of patients by employees and/or contractors (eg. security personnel) including physical, mental or emotional abuse, mistreatment or harmful neglect of any patient at Dental Clinic	0	0	0	0
33	Investigation Error	1	0	1	0
34	Diagnostic Error	1	1	0	0
35	Decision-making Error	0	0	0	0
36	Medication error resulting in serious adverse event/death	1	1	0	0
37	Patient fall in Dental Clinic	17	2	10	5

Code Number	Incident	Total	Red	Yellow	Green
38	Patient death or serious disability due to electric shock which occurred while he/she was at the Dental Clinic	0	0	0	0
39	Fire in Dental Clinic resulting in death or injury	0	0	0	0
Total		161	36	86	39

CLINICAL MONITORING

The 2024 *Bengkel Pemantapan Auditor* for the Oral Health Programme, Ministry of Health Malaysia (PKP KKM), was held from 29 to 31 May 2024. Auditors and representatives from all states and institutes participated in the workshop, which aimed to train and coordinate clinical monitoring assessment among auditors to ensure consistency and efficiency in implementation.

The clinical monitoring assessment divided into two components: Part A – Accuracy of records and management of treatment cards (minimum passing mark: 95.0%), and Part B – Delivery and completeness of treatment (minimum passing mark: 85.0%). Clinicians were required to pass both components to ensure that primary dental services and school incremental dental services were delivered at an optimal level. The necessary actions are outlined based on the competency descriptions for both Part A and Part B, as shown in **Table 14.7**.

Table 14.7 Action by Incident Codes, 2024

Competency Description		Action Code	Required Action
Part A	Part B		
Poor (<85%)	Poor (<75%)	C	<ul style="list-style-type: none"> Specific monitoring by the supervisor / PPYM Repeat clinical monitoring Recalibrate
Poor (<85%)	Moderate (75-84%)	B	<ul style="list-style-type: none"> Specific monitoring by the supervisor / PPYM Repeat clinical monitoring
Poor (<85%)	Good (≥85%)	B	<ul style="list-style-type: none"> Specific monitoring by the supervisor / PPYM Repeat clinical monitoring
Moderate (85-94%)	Poor (<75%)	C	<ul style="list-style-type: none"> Specific monitoring by the supervisor / PPYM Repeat clinical monitoring Recalibrate
Moderate (85-94%)	Moderate (75-84%)	B	<ul style="list-style-type: none"> Specific monitoring by the supervisor / PPYM Repeat clinical monitoring
Moderate (85-94%)	Good (≥85%)	B	<ul style="list-style-type: none"> Specific monitoring by the supervisor / PPYM Repeat clinical monitoring

Competency Description		Action Code	Required Action
Part A	Part B		
Good (≥95%)	Poor (<75%)	C	<ul style="list-style-type: none"> • Specific monitoring by the supervisor / PPYM • Repeat clinical monitoring • Recalibrate
Good (≥95%)	Moderate (75-84%)	B	<ul style="list-style-type: none"> • Specific monitoring by the supervisor / PPYM • Repeat clinical monitoring
Good (≥95%)	Good (≥85%)	A	<ul style="list-style-type: none"> • Self-monitoring

In 2024, a total of 2,063 clinicians from the 2024 New Cohort were monitored, comprising 805 new dental officers, 566 permanent dental officers, 27 new dental therapists (with less than one year of service), and 665 dental therapists (with more than one year of service). As a result of the monitoring, 11.50% (235 out of 2,063) of the clinicians were required to repeat Clinical Monitoring assessment in the following year, 2025. The percentage of required actions by category of clinician is shown in **Figure 14.5**.

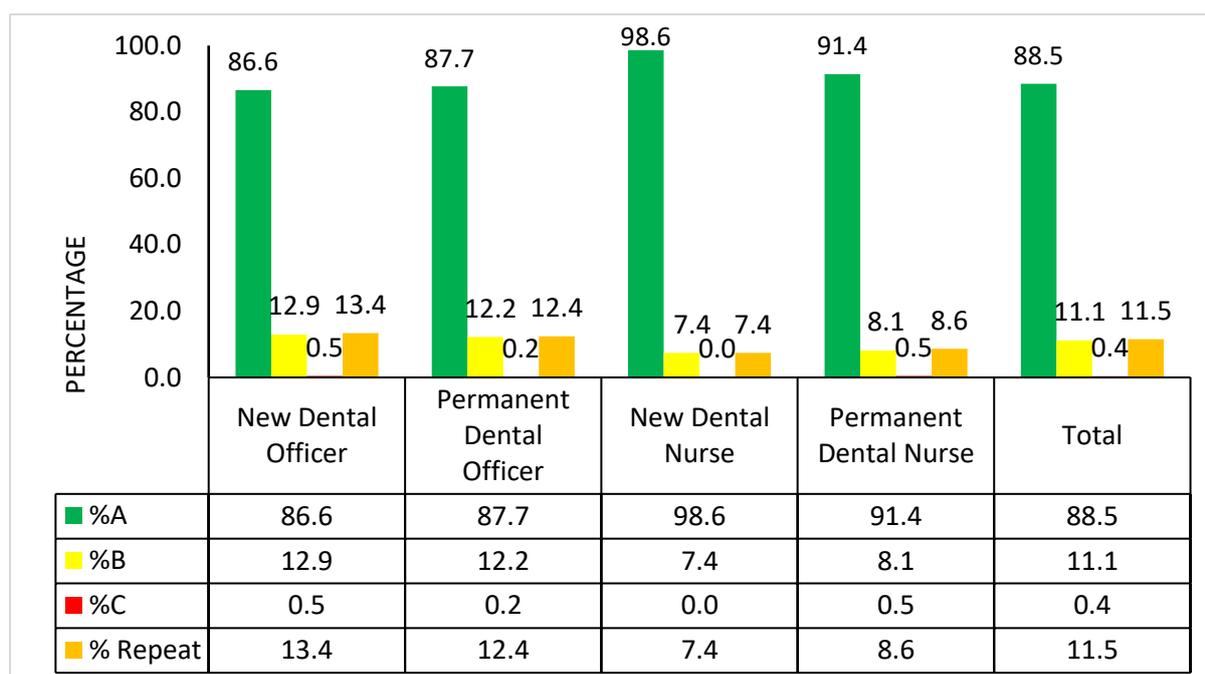


Figure 14.5 Percentage of Required Action according to Category of Clinician (2024 New Cohort)

In 2024, a total of 406 clinicians from the 2023 Repeat Cohort were monitored, consisting of 207 new dental officers, 53 permanent dental officers, 5 new dental therapists (with less than one year of service), and 121 dental therapists (with more than one year of service). The monitoring revealed that 13.3% (54 out of 406) of these clinicians need to repeat Clinical Monitoring again in 2025. The breakdown of required actions by category of clinician is presented in **Figure 14.6**.

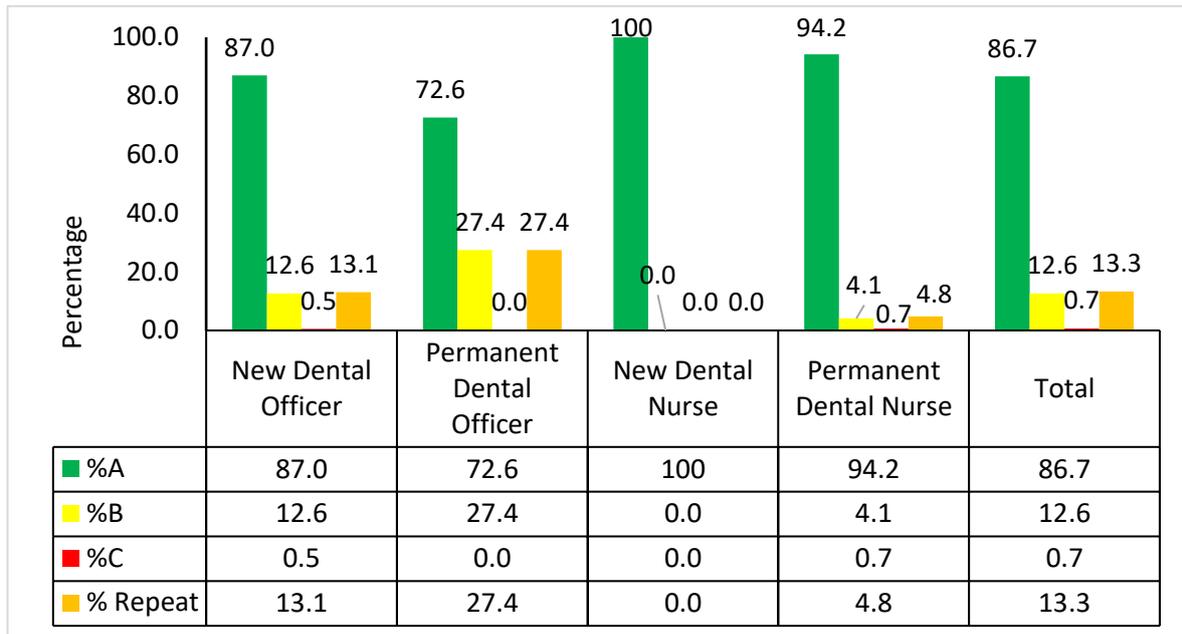


Figure 14.6 Percentage of Required Action according to Category of Clinician (2023 Repeat Cohort)

PAIN FREE PROGRAMME

The Pain-Free Programme (PFP) represents a strategic initiative within the Malaysian Healthcare System, aimed at improving pain management across services, including dental care. This initiative focuses on reducing patient discomfort and enhancing the overall treatment experience. A key component of the program is the integration of pain assessment as the fifth vital sign (P5VS), ensuring that pain is systematically identified and managed. By prioritizing patient comfort, the program supports improved clinical outcomes and encourages greater patient participation, particularly in oral healthcare settings.

The Oral Health Pain Free Symposium 2024 was held on 4 July 2024 at Auditorium, National Institute of Cancer, Putrajaya, attended by more than 200 dental personnel. This symposium served as a platform to enhance the knowledge on pain assessment and pain management as parts of treatment modalities.

QUALITY MANAGEMENT SYSTEM (SISTEM PENGURUSAN KUALITI @ SPK)

Nationwide, 681 out of 711 (95.8%) dental clinics providing primary dental services obtained ISO certification. Further details are provided in **Table 14.8**.

Table 14.8 MS ISO 9001: 2015 Certification Status by State, 2024

State	Number of dental clinics with certification	Number of dental clinics	Percentage of dental clinics certified MS ISO 9001: 2015
Perlis	11	11	100%
Kedah	60	60	100%
Pulau Pinang	30	31	96.8%
Perak	70	73	95.9%
Selangor	66	66	100%
WP KL & Putrajaya	20	20	100%
Negeri Sembilan	43	44	97.7%
Melaka	30	30	100%
Johor	95	96	99.0%
Pahang	75	76	98.7%
Kelantan	64	65	98.5%
Terengganu	46	48	95.8%
Sabah	42	42	100%
Sarawak	25	46	54.3%
WP Labuan	3	3	100%
PPKK & ILKKM	1	1	100%
Malaysia	681	711	95.8%

OTHER QUALITY ACTIVITIES

MINISTRY OF HEALTH (MOH) INNOVATION AWARD [ANUGERAH INOVASI KEMENTERIAN KESIHATAN MALAYSIA (AIKKM)] 2024

The 16th AIKKM 2024 was successfully conducted on 15 October 2024 with an inspiring theme *“Minda Inovatif Pencetus Warga Produktif”* to acknowledge our government’s MADANI policy which emphasises on six (6) core values of which one (1) focuses mainly on innovation (*daya cipta*). There were four (4) categories of innovation competing in this event, namely;

- a. Product
- b. Services
- c. Process
- d. Technology.

In 2024, the AIKKM organising committee comprised of Oral Health Programme (OHP) MOH as the main secretariat, working in collaboration with the Management Services Division [*Bahagian Khidmat Pengurusan (BKP)*] MOH, Family Health Development Division [*Bahagian Pembangunan Kesihatan Keluarga (BPKK)*] MOH, Policy & International Relations Division [*Bahagian Dasar dan Hubungan Antarabangsa (BDHA)*] MOH and Information Management Division [*Bahagian Pengurusan Maklumat (BPM)*] MOH.

The objectives of organising this annual programme/competition are to:

- i. Give recognition to the innovations produced by staff of Ministry of Health
- ii. Foster a culture of creativity and innovation in service delivery
- iii. Introduce and disseminate exemplary innovation results for mutual benefits
- iv. Contribute to improving the quality of customer service delivery.

A total submission of 166 projects from all states/federal territories/institutions were screened for conformity and adherence to the set criteria for participation. Selangor State Health Department led the way with the highest number of 23 innovative projects submission partaking in all four (4) categories followed by the state health departments of Selangor (16), Perak (15) and Negeri Sembilan (13).

Desktop assessment was conducted by the secretariat from 12–13 August 2024 and 151 innovative projects were qualified for further assessment at the second stage. This semi-final assessment was conducted through online platform from 3 September 2024 to 12 September 2024 by the respective working committees from OHP, BDHA, BPKK and BPM. The distinguished panel of judges viewed and listened to videos and presentations showcasing their best ideas and creations online.

Out of 151 innovative projects, 10 projects from each category were selected, making a total of 40 innovative projects to the final stage of AIKMM 2024. Evaluation sessions were held physically on 15 October 2024. The names of the winners and their winning projects of all categories at AIKMM 2024 are as shown in **Table 14.9**.

In summary, AIKMM is deemed relevant and sustainable as a Quality Improvement Initiative (QII) to continually encourage, improve and acknowledge the innovative, creative and motivated pool of innovators at MOH. Appreciation to all honourable panellists, diligent secretariat and competitive participants who exhibited wisdom, good cooperation and healthy rivalry to make AIKMM 2024 a resounding success.

Table 14.9 Winning Innovations of AIKMM 2024 by Category

Category	Winner	Project	Department	State
PRODUCT	First	Intelligent Modification Clamp 2.0	Terengganu State Health Department	Terengganu
	Second	Flotation Nest Zone	Pulau Perhentian Health Clinic	Terengganu
	Third	PC On the Go	Hospital Batu Gajah	Perak
	Special Jury Award	Wheelers	Pharmacy Department Hospital Bukit Mertajam	Pulau Pinang

Category	Winner	Project	Department	State
SERVICES	First	Bridge-D'Gap	Pharmaceutical Service Division, Negeri Sembilan State Health Department	Negeri Sembilan
	Second	MEDI-LIFE	Pharmacy Department, Hospital Kepala Batas	Pulau Pinang
	Third	MyGigi Ibu Hamil	Oral Health Division, Perlis State Health Department	Perlis
	Special Jury Award	Pusat Kecemerlangan Kualiti	District Health Office, Besut	Terengganu
PROCESS	First	Sistem Daftar Pesakit dan Reten Perkhidmatan Dietetik Primer Kementerian Kesihatan Malaysia	Family Health Department Division, KKM	Sistem Daftar Pesakit dan Reten Perkhidmatan Dietetik Primer Kementerian Kesihatan Malaysia
	Second	Tb E-Records (Tb-eR)	Public Health Division, WPKL&P State Health Department	Tb E-Records (Tb-eR)
	Third	Komik Pendidikan Asma (KOMPAS)	Pharmacy Department, Hospital Tuanku Ampuan Najihah	Komik Pendidikan Asma (KOMPAS)
	Special Jury Award	Vigilant Infection Tracking and Alert System (myVITALS)	Emergency Department, Hospital Tuanku Ja'afar	Vigilant Infection Tracking and Alert System (myVITALS)

Category	Winner	Project	Department	State
TECHNOLOGY	First	SWOSH – Sarawak Occupational Safety and Health System Modul KOSPEN	Sarawak State Health Department	Sarawak
	Second	Aplikasi StoRx	Pharmaceutical Service Division, Pahang State Health Department	Pahang
	Third	PN EasyCalc	Hospital Raja Permaisuri Bainun	Perak
	Special Jury Award	KnowledgeHub	District Health Office, Lembah Pantai	WP Kuala Lumpur & Putrajaya



Image 14.1 Ministry of Health Innovation Award (AIKKM) 2024

CONDUCTIVE PUBLIC SECTOR ECOSYSTEM (EKSA)

In 2024, the implementation of EKSA practices in OHP MOH continues to be strengthened and improved. New employees of the OHP MOH will attend briefing on the implementation of EKSA, in addition to training organised by the EKSA Training Committee, MOH.

To ensure the assessment criteria are adhered to, audits were carried out at regular intervals by EKSA internal auditors and by MOH EKSA Auditors. Audit findings were shared with all staff and actions taken for continual improvement.

External audit EKSA for OHP MOH were conducted successfully on 21 May 2024 and 10 December 2024. The overall achievement for OHP MOH was 98.7% (excellent).

ORAL HEALTH PROGRAMME QUALITY CONVENTION 2024

The Oral Health Programme Quality Convention 2024 was successfully held on 24–25 June 2024, at Hotel H Elite, Kota Bharu Kelantan. This convention aimed to equip participants with valuable exposure and experience as early preparation for advancing their projects to the national-level competition. A total of 37 projects were showcased during the event, comprising fifteen (15) projects in the Innovation category, eleven (11) projects in the Quality Assurance (QA) category, and eleven (11) projects in the Creative and Innovative Group [Kumpulan Inovatif dan Kreatif (KIK)] category. The three (3) best projects of each category are listed on **Table 14.10**. One of the key highlights of the convention was a talk titled "Innovation vs. Real Work: Between Reality and Fantasy," presented by Mr. Mohammad Aswady bin Adenan, a pharmacist from Pengkalan Chepa Health Clinic, Kelantan.

Table 14.10 List of Best Projects at the Oral health Programme Quality Convention 2024

Category	Project Name	Organisation
Innovation	Pressure Pro	Oral Health Division of Negeri Sembilan
	Magic Brush Gripper	Oral Health Division of Federal Territory of Kuala Lumpur & Putrajaya
	Wonder Teeth	Oral Health Division of Malacca
Creative and Innovative Group (KIK)	Denta-Efe-Box	Oral Health Division of Penang
	Berus dan Floss	Oral Health Division of Federal Territory of Kuala Lumpur & Putrajaya
	X Sound	Oral Health Division of Federal Territory of Labuan
Quality Assurance	Reducing The Percentage of Patients Developing Active Caries Within Six Months After Comprehensive Dental Treatment Under General Anaesthesia In The Department Of Paediatric Dentistry, Slim River Hospital	Oral Health Division of Perak
	Improving The Percentage of Patient's Completed Four-Time Fluoride Varnish Application In Hulu Langat District	Oral Health Division of Selangor
	Increasing The Percentage of Orally-Fit Orang Asli In Kluang District	Oral Health Division of Johor

Annual Report 2024

MALAYSIAN DENTAL COUNCIL

07

Malaysian Dental Council (MDC)



From left to right:

Dr. Anis Fatin binti Muhammad Annuar, Dr. Damia binti Zulkifli, Dr. Noorhidayah binti Mohd Arif, Dr. Nurul Syakirin binti Abdul Shukor, Dr. Norfarhana binti Md Daud, Dr. Sangithah a/p Tamilselvan, Dr. Nur Syara binti Abd Wahid, Cik Syafiqah binti Safian, Ms. Rahanah binti Mat Nor, Ms. Khairunnisa binti Ismail, Dr. Yamunesh a/p Sawoh, Mr. Muhammad Fuadht bin Shahrudin, Ms. Nurul Husna binti Muhama'ad, Ms Siti Nor Atika binti Samsudin, Ms. Sharifah Natasyafiqah binti Sh. Masri, Mr. Hasan bin Harun

MALAYSIAN DENTAL COUNCIL (MDC)

The MDC is the statutory body established under the Dental Act 2018, which came into force on 1 January 2022, replacing the Dental Act 1971 that had governed the practice of dentistry in the country for five decades. The MDC's vision is to promote a professional, safe, quality, and ethical dental practice. Its mission is to uphold the highest standards of ethics, education, and practice for the benefit of patients, the public, and the profession through fair and effective administration of the Dental Act.

The MDC plays a pivotal role in safeguarding patient safety and maintaining public confidence in dental services by overseeing the quality assurance of dental education and training, registering qualified dental professionals, setting and monitoring standards of practice, and addressing concerns or complaints related to professional conduct. The year 2024 represented a significant period of development for the Council, as it continued strengthening the implementation of its mandate under the Dental Act 2018 and enhance regulatory effectiveness across the dental profession.

MEMBERSHIP OF THE MDC

The MDC consists of 24 members, including appointed and elected dental practitioners and dental therapists (**Table 15.1**). Every member must be a Malaysian citizen residing in Malaysia and in possession of a valid practising certificate. Members serve a three-year term, eligible for reappointment or re-election, but not exceeding two consecutive terms.

Under the provisions of the Dental Act 2018, the Director-General of Health Malaysia serves as the President, and the Deputy Director-General of Health (Oral Health) Ministry of Health Malaysia serves as the Dental Registrar of the MDC. The balanced composition of academicians, clinicians and administrators ensures comprehensive oversight of dental practice nationwide.

Table 15.1 Malaysian Dental Council's Composition, as of 31 December 2024

The President	
Director-General of Health Malaysia	Datuk Dr. Muhammad Radzi bin Abu Hassan
The Dental Registrar	
Deputy Director-General of Health (Oral Health)	Dr. Noormi binti Othman (until 21 December 2024) Dr. Fauziah binti Ahmad (from 23 December 2024)

Table 15.1 Malaysian Dental Council's Composition, as of 31 December 2024 (Continued)

Section	Members	Date of Appointment
6 (1) (c)		
Three (3) appointed dental surgeons from among the academic staff of the dental faculties of the accredited local training institutions from the public sector	Professor Dr. Zamri bin Radzi	1.7.2022 – 30.6.2025 (Resigned 22 October 2024)
	Professor Dr. Dalia binti Abdullah	1.7.2022 – 30.6.2025
	Assoc. Prof. Dr. Maryati binti Md. Dasor	23.6.2023 – 30.6.2025
Three (3) appointed dental surgeons from among the academic staff of the dental faculties of the accredited local training institutions from the private sector	Professor Dr. Abdul Rashid bin Ismail	1.7.2022 – 30.6.2025
	Professor Dr. Seow Liang Lin	1.7.2022 – 30.6.2025
	Professor Dr. Rosnah binti Mohd Zain	1.7.2022 – 30.6.2025
6 (1) (d)		
Three (3) appointed dental surgeons from the public sector	Dr. Fauziah binti Ahmad	1.7.2022 – 30.6.2025 (Promoted as the Dental Registrar on 22.12.2024)
	Brig. Jen. (Dr.) Hazudin bin Hassan	1.7.2022 – 30.6.2025
	Professor Dr. Rahimah binti Abdul Kadir	1.7.2022 – 30.6.2025
Three (3) appointed dental surgeons from the private sector	Dr. Lim Chiew Wooi	1.7.2022 – 30.6.2025
	Dr. Teerunavookarasu a/l Rajaratnam	1.7.2022 – 30.6.2025
	Dr. Lee Wei Zin	1.7.2022 – 30.6.2025
6 (1) (e)		
Four (4) elected dental surgeons from the public sector resident in Peninsular Malaysia	Dr. Mohd Salman bin Masri	1.7.2022 – 30.6.2025
	Dr. Syed Iqbal bin Syed Husman	1.7.2022 – 30.6.2025
	Dr. Norhayati bt Jaffar	1.7.2022 – 30.6.2025
	Dr. Sharifah Tahirah binti Syed Alwi Aljunid	1.7.2022 – 30.6.2025
6 (1) (f)		
Four (4) elected dental surgeons from the private sector resident in Peninsular Malaysia	Dr. Firdaus bin Hanapiah	1.7.2022 – 30.6.2025

Table 15.1 Malaysian Dental Council’s Composition, as of 31 December 2024 (Continued)

Section	Members	Date of Appointment
6 (1) (f)		
	Dato’ Professor Dr. Ishak bin Abdul Razak	1.7.2022 – 30.6.2025
	Dr. Ng Woan Tyng	1.7.2022 – 30.6.2025
	Dr. Ha Kien Oon	1.7.2022 – 30.6.2025
6 (1) (g)		
One (1) elected dental surgeon resident in Sabah	Dr. Leong Kei Joe	1.7.2022 – 30.6.2025
6 (1) (h)		
One (1) elected dental surgeon resident in Sarawak	Dr. Wong Siong Ting	1.7.2022 – 30.6.2025
6 (1) (i)		
Two (2) appointed dental therapists who are members of the Malaysian Dental Therapists Board	Puan Zainab bt Mohideen	1.7.2022 – 30.6.2025
	Puan Jeevaretnam a/p K. Sockalingam	1.7.2022 – 30.6.2025



Image 15.1 Members of the Malaysian Dental Council (2024)

EVALUATION AND RECOGNITION OF DENTAL QUALIFICATION

The MDC plays a pivotal role in safeguarding the quality of dental education in Malaysia. It ensures that all local dental education programmes comply with the standards and requirements established by both the MDC and the Malaysian Qualifications Agency (MQA). Beyond local oversight, the MDC is also entrusted with evaluating and recognizing non-local dental qualifications. This process ensures that foreign-trained practitioners meet the Council's standards and, where necessary, additional conditions may be imposed to fulfil the requirements for registration as dental practitioners in Malaysia.

To carry out these critical functions, several specialized committees have been established:

- I. Dental Qualifying Committee
- II. Dental Specialist Evaluation Committee
- III. Dental Evaluation Committee
- IV. Examination Committee
- V. Dental Specialty Subcommittee
- VI. Joint Technical Committee for Accreditation of Dental Programmes
- VII. Joint Technical Committee for Evaluation of Dental Specialty Programmes

Proposals and recommendations from these committees are thoroughly deliberated during the Council Meetings. A summary of key accomplishments and decisions made in 2024 is presented in **Table 15.2**.

Table 15.2 List of major accomplishments by the Committee

MAJOR ACCOMPLISHMENT	DATE
Dental Qualifying Committee, Examination Committee & Dental Evaluation Committee	
Professional Qualification Examination Examiners Workshop	8-9 March 2024
Pilot Part II of the Professional Qualification Examination	22 March 2024
48 dental qualifications evaluated	DEC Meeting 1/2024 (24 April 2024) DEC Circulation (15 August 2024) DEC Circulation (12 September 2024) DEC Meeting 2/2024 (25 October 2024)
Dental Specialist Evaluation Committee & Dental Specialty Subcommittee	
Update the list of post-graduate qualifications approved by the Council	Updated qualifications approved in: <ul style="list-style-type: none"> ● 13th MDC Meeting (23 May 2024) ● 15th MDC Meeting (23 September 2024)
Recognition of Oral Pathology as mono specialty	14 th MDC Meeting (29 July 2024)
Joint Technical Committee for Accreditation of Dental Programmes	
<ul style="list-style-type: none"> ● Approval of Full Accreditation Renewal - Bachelor of Dental Surgery (BDS) (MQA/FA 0338) Universiti Teknologi MARA (UiTM) ● Approval of Full Accreditation Renewal (Monitoring) - Doctor of Dental Surgery (DDS) (MQA/FA 1048) Lincoln University College 	12 th MDC Meeting (15 February 2024)

Table 15.2 List of major accomplishments by the Committee (Continued)

MAJOR ACCOMPLISHMENT	DATE
<ul style="list-style-type: none"> ● Approval of Provisional Accreditation (conditional) - Bachelor of Dental Surgery (BDS) (MQA/PA 14302) Management and Science University (MSU) ● Approval of Full Accreditation Renewal <ul style="list-style-type: none"> (i) Doctor of Dental Surgery (DDS) (MQA/FA 0554) Universiti Sains Malaysia (USM) (ii) Diploma in Dental Therapy (MQA/FA 13408) Institut Latihan Kementerian Kesihatan Malaysia Georgetown Pulau Pinang (ILKKM Georgetown) 	13 th MDC Meeting (23 May 2024)
<ul style="list-style-type: none"> ● Approval of Full Accreditation Renewal - Doctor of Dental Surgery (DDS) 2+3 In Collaboration with MAHSA University (MQA / FA 3951) Penang International Dental College (PIDC) 	14 th MDC Meeting (29 July 2024)
<ul style="list-style-type: none"> ● Approval of Full Accreditation Renewal - Bachelor of Dental Surgery (BDS) (MQA/FA 1976) International Islamic University of Malaysia (IIUM) 	15 th MDC Meeting (23 September 2024)
<ul style="list-style-type: none"> ● Approval of Code of Practice for Programme Accreditation (COPPA) Diploma in Dental Therapy 	16 th MDC Meeting (9 December 2024)
Joint Technical Committee for Evaluation of Dental Specialty Programmes	
<ul style="list-style-type: none"> ● Approval of Provisional Accreditation - Master of Dental Sciences (MQA/PA 16956) USM ● Approval of Full Accreditation Renewal- Master of Oral Sciences (MQA/FA 12431-01) Universiti Malaya (UM) 	12 th MDC Meeting (15 February 2024)
<ul style="list-style-type: none"> ● Approval of Provisional Accreditation- Doctor in Restorative Dentistry (MQA/PA 17183) UM ● Approval of Full Accreditation <ul style="list-style-type: none"> (i) Doctor in Paediatric Dentistry (MQA/FA 9605) UiTM 	13 th MDC Meeting (23 May 2024)

Table 15.2 List of major accomplishments by the Committee (Continued)

MAJOR ACCOMPLISHMENT	DATE
<ul style="list-style-type: none"> (ii) Doctor in Prosthodontics (MQA /FA 9606) UiTM ● Approval of Code of Practice for Programme Accreditation (COPPA) Postgraduate Dental Degree Programmes 	
<ul style="list-style-type: none"> ● Approval of Provisional Accreditation - Doctor in Endodontology (MQA/PA 16955) USM 	14 th MDC Meeting (29 July 2024)
<ul style="list-style-type: none"> ● Approval of Curriculum Review - Doctor in Restorative Dentistry (DrRestDent) (MQA/FA 9235-01) MAHSA University ● Approval of Provisional Accreditation- Doctor in Orthodontics (DrOrth) (MQA/PA 17484) MAHSA University ● Approval of Full Accreditation <ul style="list-style-type: none"> (i) Doctor in Orthodontics (MQA/FA 13082) IIUM (ii) Doctor in Dental Public Health (DrDPH) (MQA/FA 9604) UiTM (iii) Doctor in Orthodontics (MQA/FA 9607) UiTM ● Approval of Full Accreditation (Monitoring & Renewal) - Doctor in Restorative Dentistry (DrRestDent) (MQA/FA 9235) MAHSA University 	15 th MDC Meeting (23 September 2024)
<ul style="list-style-type: none"> ● Approval of Provisional Accreditation <ul style="list-style-type: none"> (i) Doctor in Prosthodontics (MQA/PA 17600) USM (ii) Doctor in Periodontology (MQA/PA 17599) USM ● Approval of Full Accreditation <ul style="list-style-type: none"> (i) Doctor in Prosthodontics (MQA/FA 12432) UM (ii) Doctor in Special Care Dentistry (MQA/FA 12429) UM (iii) Doctor In Paediatric Dentistry (MQA/FA 12434) UM 	16 th MDC Meeting (9 December 2024)

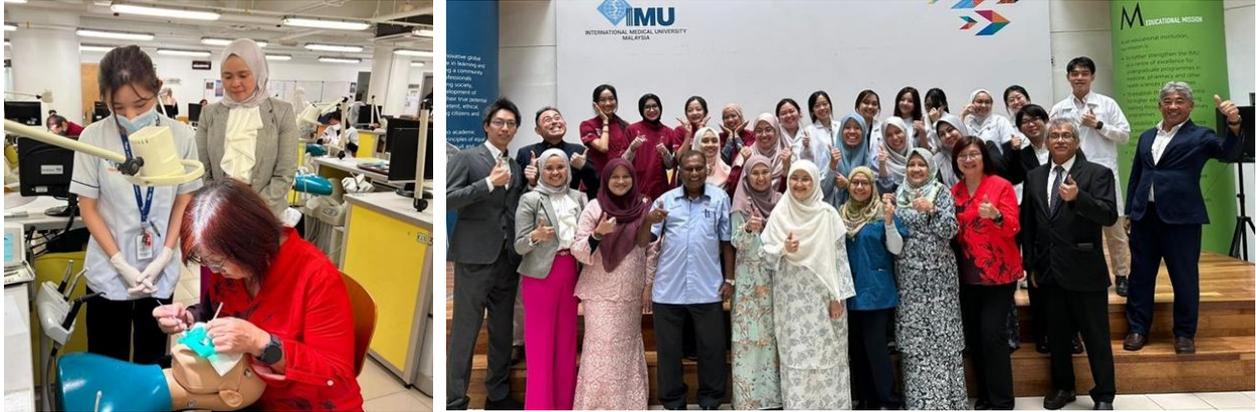


Image 15.2 Pilot Part II of the Professional Qualification Examination conducted at the International Medical University on 22 March 2024

STATISTICS OF DENTAL PRACTITIONERS

The Dental Registrar is responsible for registering dental practitioners and maintaining the Dental Register, Dental Temporary Practising Certificate Register, and Conditional Register. Additionally, the Dental Registrar issues Annual Practising Certificates, Temporary Practising Certificates and handles all registration-related matters.

NUMBER OF DENTAL PRACTITIONERS ON THE DENTAL REGISTER

The Dental Register is structured into the following divisions:

- (a) Division I – Comprises individuals who are professionally qualified and registered as dental surgeons.
- (b) Division II – Includes individuals without formal dental qualifications who were practicing dentistry prior to the enforcement of the Dental Act 1971 and were subsequently registered as dentists.
- (c) Specialist Division – Consists of dental surgeons from Division I who are additionally registered as dental specialists in recognized fields.

As of 31 December 2024, the Dental Register recorded a total of 17,318 dental surgeons under Division I, and 1,195 dental specialists under the Specialist Division.

NEW REGISTRANTS IN 2024

In 2024, a total of 788 graduates registered with the MDC under Division 1 of the Dental Register, representing a 17% decline from the 900 registrants in 2023 (**Figure 15.1**). Additionally, 236 dental specialists were successfully registered under the Specialist Division in 2024. A detailed breakdown of the number of registered dental specialists by specialty is provided in **Table 15.3**.

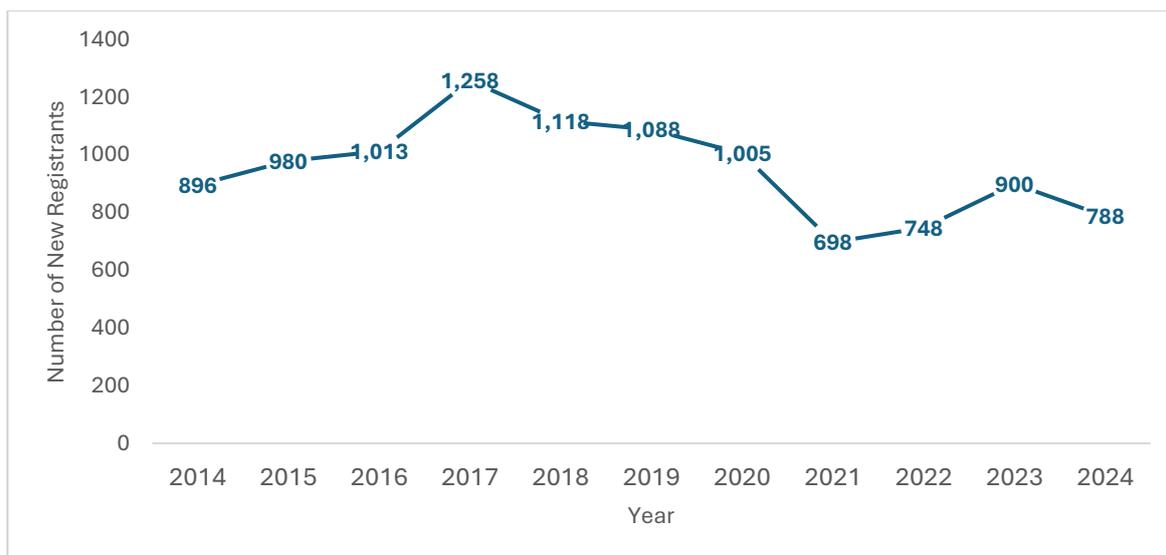


Figure 15.1 Number of New Registrants on Division 1 of the Dental Register, 2014-2024

Table 15.3 New Dental Specialist Registrants by Specialty, 2022-2024

Specialty	2022	2023	2024
Dental Public Health	78	21	27
Endodontics	30	8	6
Forensic Odontology	7	2	2
Oral Maxillofacial Radiology	3	1	2
Oral and Maxillofacial Surgery	129	46	34
Oral Pathology and Oral Medicine/ Oral Medicine	27	10	14
Orthodontics	163	44	47
Paediatric Dentistry	70	34	15
Periodontics	81	36	30
Prosthodontics	59	26	26
Restorative Dentistry	48	23	32
Special Care Dentistry	12	1	1
TOTAL	707	252	236

ANNUAL PRACTISING CERTIFICATES (APCs)

All active practitioners must have a valid Annual Practising Certificate (APC). In 2024, MDC issued 14,726 APCs, marking a 3% increase from the previous year (see **Table 15.4**). Slightly more than half of these APCs (58%) were issued to dental practitioners in the public sector.

Division II dentists must pass an inspection of their premises before receiving their APCs. In 2024, only five Division II dentists applied and were allowed to continue practising, down from six from the previous year. Of these, three were practising in Sabah (66.67%), and the remaining two were in Sarawak.

Table 15.4 Dental Practitioners Issued with Annual Practising Certificates, 2014 – 2024

Sector	Year										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
DIVISION I											
Public	3,763	4,021	4,591	5,736	6,455	7,087	7,443	7,786	7,828	8,049	8,472
Private	2,125	2,363	2,595	2,862	3,244	3,714	4,154	4,788	5,608	6,206	6,248
Total	5,888	6,384	7,186	8,598	9,699	10,801	11,597	12,574	13,436	14,255	14,720
DIVISION II											
Private	28	26	24	22	18	16	10	7	8	6	5
Grand Total	5,916	6,410	7,210	8,620	9,717	10,817	11,607	12,581	13,444	14,261	14,726

TEMPORARY PRACTISING CERTIFICATES (TPCs)

Section 40 of the Dental Act 2018 allows dental practitioners registered outside of Malaysia, who wish to practise in Malaysia, to be issued with Temporary Practising Certificates (TPCs). The TPC aims to enable the transfer of skills and knowledge across the dental practice and practitioners and maintain high standards in dentistry.

The Guidelines for the Application for Temporary Practising Certificates Dental Act 2018 provides information on the requirements and procedures to apply and register for the TPC. Applicants for TPCs can be classified into eight categories:

- A. Exchange practitioner in the public sector
- B. Lecturer in Institution of Higher Education (IHE)
- C. External examiner invited by IHE
- D. Practitioner attending a hands-on clinical course
- E. Practitioner employed in private healthcare facilities (specialist at private hospital, spouse of Malaysian or permanent residents)
- F. Expert engaged in the transfer of skills and knowledge
- G. Contract and collaborating practitioner in the public sector and IHE to conduct dental clinical research
- H. Dental practitioner undertaking voluntary community service

In 2024, the Dental Registrar issued 185 TPCs, with 178 (96%) issued to academic staff in public and private universities. The distribution of TPCs by category is shown in **Figure 15.2**.

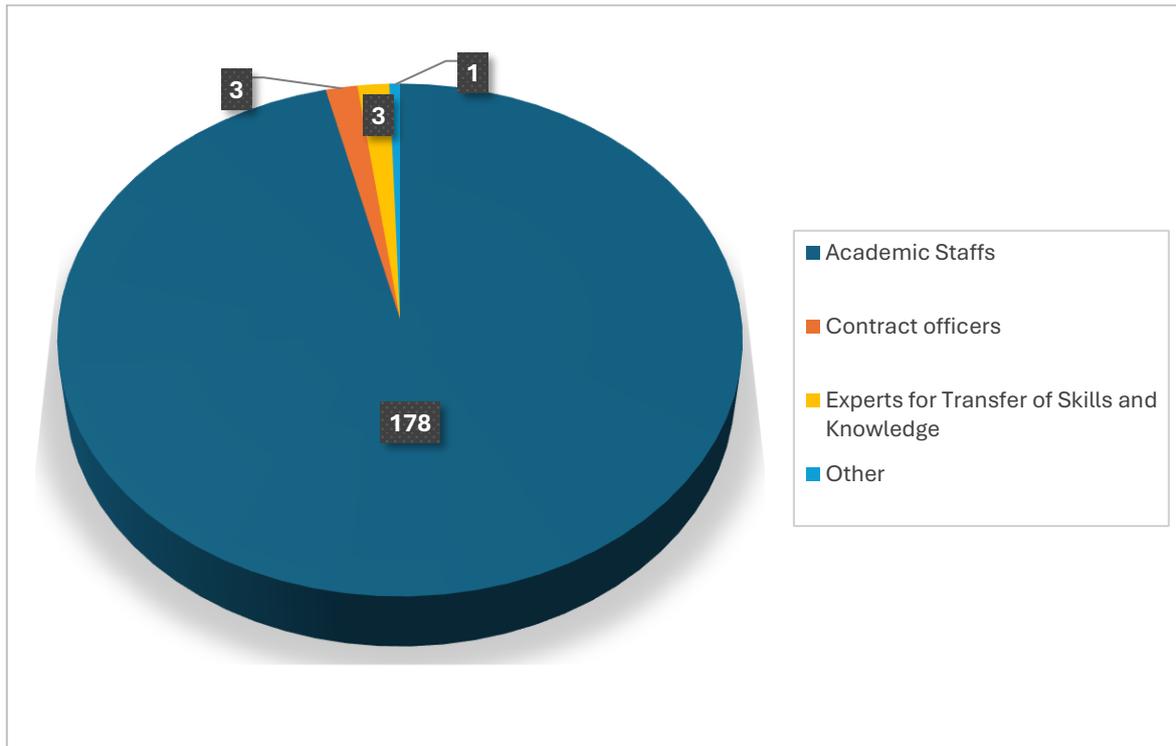


Figure 15.2 Number of TPCs issued by category, 2024

COMPULSORY SERVICE

Section 79 of the Dental Act 2018 outlines the requirements for compulsory service for new registrants. In 2024, the number of dental practitioners granted permission to fulfil their compulsory service outside MOH were 24. Specifically, the Director-General of Health permitted four (4) newly registered dental practitioners to fulfil their compulsory service in public universities under the Ministry of Higher Education, three (3) in the Ministry of Defence, and 17 within private dental facilities including private training institutions, an increase of 13% compared to 2024.

ETHICS AND DISCIPLINARY ACTIONS

The MDC holds the critical responsibility of ensuring that all registered practitioners consistently uphold professional ethics and standards. By doing so, the Council safeguards the integrity of the dental profession and plays a pivotal role in preserving public trust. It actively enforces adherence to ethical principles that govern dental practice, thereby fostering accountability and professionalism within the oral healthcare workforce.

In 2024, the MDC received a total of 59 complaints. Of these, 29 cases (49.15%) were related to alleged negligence, fraud, or professional incompetence, while 24 cases (40.68%) involved alleged unethical conduct. There were also three (3) complaints (6.06%) concerning unethical advertising practices, and another three (3) complaints (6.38%) involving practitioners who were convicted in court and sentenced to imprisonment. **Table 15.5** presents the cumulative data on complaints received by the MDC from 2022 to 2024.

Table 15.5 Types of Complaint Received Against Registered Practitioners, 2022-2024

TYPE	CASES
Negligence/Fraud/Alleged Incompetence	48
Unethical Behaviour	83
Unethical Advertising	9
Complaints on Cost	6
Convicted in Malaysia or Elsewhere & Punishable with Imprisonment	3
TOTAL	149

Two (2) Preliminary Investigation Committees were established under Section 55 of the Dental Act 2018 to investigate complaints, information against practitioners, and disciplinary matters. In 2024, the committees completed 73 investigations. The types of recommendations made by the committees for completed investigations are detailed in **Table 15.6**.

Table 15.6 Type of recommendation by Preliminary Investigation Committee, 2024

RECOMMENDATION	NO. OF CASES
Withdrawn	28
No Further Action	30
Council Inquiry	15
TOTAL	73

In 2024, the MDC held and completed 18 inquiry sessions at the Council level. Between 2014 and 2024, the Council issued 28 reprimands and 24 suspensions, suspended 14 suspension punishments subject to conditions stipulated by the MDC, struck four (4) practitioners off the Dental Register and cautioned/advised one practitioner (see **Figure 15.3**).

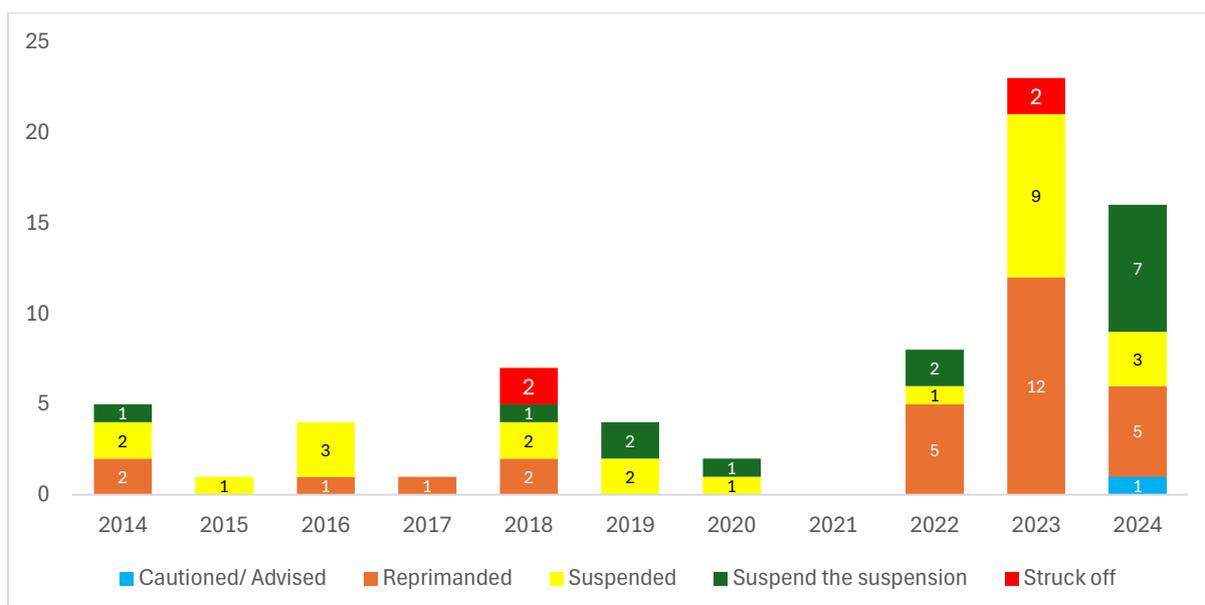


Figure 15.3 Disciplinary Punishment by the Council, 2014-2024

POLICY AND STANDARD

The MDC plays a pivotal role in setting and enforcing policies and standards for the dental profession. In addition to the established Code of Professional Conduct prescribed under Section 82 of the Dental Act, the MDC also issues guidelines and directives pursuant to Section 83 of the Act. This ensures that dental practitioners maintain high levels of competence and integrity, thereby safeguarding public trust and ensuring the quality of dental care in Malaysia.

GUIDELINES APPROVED BY THE MDC

The Guideline for Application of Temporary Practising Certificate (TPC) Dental Act 2018 [Act 804] Second Edition was approved during the 16th MDC Meeting convened on 9 December 2024. The guideline was published on the MDC's official website, with implementation set for 2025.

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

The CPD Awarding Committee, responsible for evaluating and approving CPD point applications, received 544 applications for verification and award of CPD points in 2024, with all applications being approved.

A significant milestone was achieved on 9 August 2024 with the successful launch of our inaugural CPD webinar. Conducted through Google Meet and simultaneously broadcast via the Oral Health Programme's Facebook Live platform, the session on "Professional Indemnity Cover for Practising Certificate Application" achieved significant reach and engagement. Since its initial broadcast, the webinar has garnered 6,552 views, reflecting strong interest among dental professionals in this new regulatory requirement.



Image 15.3 Professional Indemnity Cover in Dental Practice Webinar on 9 August 2024

OTHER MDC ACTIVITIES, 2024

In 2024, the MDC carried out various activities to improve professional standards and ensure quality dental care in Malaysia. These efforts show the Council's commitment to protecting public trust and maintaining the integrity of the dental profession. Key highlights of the year are shown in **Image 15.4**.



Hari Bertemu Pelanggan KKM 2024

**Visit from TalentCorp
Malaysia Berhad**



**MDA
SCATE
2024**



**PQE Examiners
Workshop**



Image 15.4 A Snapshot of other MDC Activities in 2024

**MALAYSIAN DENTAL THERAPIST
BOARD**

Malaysian Dental Therapist Board (MDTB)



*From left to right:
Ms, Nor Azrah binti Hamzah,
Ms Julaiha binti Mohd, Sarif,
Ms Norlelawati binti Mohd. Ani*

MALAYSIAN DENTAL THERAPIST BOARD (MDTB)

By 2024, a total of 3,049 dental therapists registered with the Board. Every registered dental therapist must possess the current Annual Practicing Certificate (APC) to practice legally. It is the practitioner's responsibility to apply for the APC and inform the MDTB of any changes in their practicing address. Practitioners are required to display their current APC at each of their practice premises.

In 2024, no dental therapist registration will be implemented because the recognized qualifications for dental therapist registration have not yet been approved for inclusion in the second schedule of the Dental Act 2018 as shown in **Table 16.1**.

Table 16.1 Registered Dental Therapists in Malaysia

Year	Public Sector		Total	Private Sector	Grand Total
	MOH	Non-MOH			
2022	2,936	13	2,949	4	2,953
2023	27	68	95	1	96
2024	0	0	0	0	0

Until 2024, there were 292 Post Basic Dental Therapist who had been registered by discipline as shown in **Table 16.2**.

Table 16.2 Post Basic Dental Therapists Registrants by Discipline

Discipline	Year			Total
	2022	2023	2024	
Oral and Maxillofacial Surgery	5	5	0	10
Paediatric Dentistry	50	31	0	81
Orthodontics	29	63	0	92
Periodontics	66	43	0	109
Total	150	142	0	292

Out of 2,974 dental therapists, 2,969 are actively practicing in the public sector and five (5) in the private sector, as shown in **Table 16.3**. **Table 16.4** and **16.5** shows the number of active dental therapist by ethnic group and gender in Malaysia.

Table 16.3 Active Dental Therapists in Malaysia

Year	Public		Total	Private	Grand Total
	MOH	Non-MOH			
2022	12	1	13	2	15
2023	2,933	85	3,018	5	3,023
2024	2,886	83	2,969	5	2,974

Table 16.4 Active Dental Therapists by Ethnic in Malaysia

Year	Ethnic Group				Total
	Malay	Chinese	Indian	Others	
2022	11	1	1	2	15
2023	2,308	39	42	634	3,023
2024	2,266	35	41	632	2,974

Table 16.5 Active Dental Therapists by Gender in Malaysia

Year	Sector	Male	Female	Total
2022	Public	0	13	13
	Private	0	2	2
	Total	0	15	15
2023	Public	28	2,990	3,018
	Private	0	5	5
	Total	28	2,995	3,023
2024	Public	28	2,941	2,969
	Private	0	5	5
	Total	28	2,946	2,974

MDTB ACTIVITIES, 2024

In 2024, the MDTB carried out various activities as shown in **Image 16.1**.



Image 16.1 A Snapshot of MDTB Activities in 2024

CONCLUSION & WAY FOREWORD

CONCLUSION AND WAY FORWARD

The Oral Health Programme has made significant strides in advancing oral health in Malaysia, guided by the principles of equity, accessibility, and sustainability. Through nationwide health promotion campaigns, the strengthening of digital systems, infrastructure enhancements, and the development of human capital, the OHP has ensured greater affordability and inclusivity in oral healthcare. These achievements reflect Malaysia's commitment to align closely with the Bangkok Declaration, which calls for the integration of oral health into universal health coverage, prioritisation of preventive care, and reduction of health inequalities.

Moving forward, the OHP will focus on expanding equitable access, especially in underserved and rural communities; scaling up prevention and health promotion programmes to address risk factors such as tobacco, diet, and hygiene; strengthening oral health's integration into universal health coverage; addressing maldistribution of the dental workforce while enhancing professional capacity; and harnessing digital innovation and research to inform national and ASEAN-level policies. By reinforcing regional and global collaborations, particularly within ASEAN and with WHO, Malaysia reaffirms its commitment to the shared vision to advocate for elevating oral diseases as a global public health priority.

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ACKNOWLEDGEMENT**

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ACRONYMS AND ABBREVIATIONS

10MP	Tenth Malaysia Plan
12MP	Twelfth Malaysia Plan
3DDT	3D Digital Technology
3P	<i>Pemeriksaan Pematuhan Piawai</i>
Industry 4.0	Fourth Industrial Revolution
4P	<i>Pasca Pemeriksaan Pematuhan Piawai</i>
4P2	<i>Pasca Pemeriksaan Pematuhan Piawai Kedua</i>
5A	Ask, Advice, Assess, Assist, Arrange
5R	Relevance, Risk, Rewards, Roadblocks, Repetition
ACC	Ambulatory Care Center
ACDOM	Asian Chief Dental Officers' Meeting
ACP	Advanced Competency Programme
Act 586	Private Healthcare Facilities and Services Act 1998
Act 593	Criminal Procedure Code
Act 679	Malaysian Qualifications Agency Act 2007
Act 737	Medical Device Act 2012
Act 804	Dental Act 2018
AIKKM	Ministry of Health Innovation Award
AIMST	Asian Institute of Medical Science and Technology
AJCCD	ASEAN Joint Coordinating Committee on Dental Practitioners
AMCCSDUE	ASEAN Minimum Common Competency Standards for Dental Undergraduate Education
ANMS	<i>Agenda Nasional Malaysia Sihat</i>
APC	Annual Practising Certificate
APPL	Approved Product Purchase List
ASEAN	Association of Southeast Asian Nations
ATM	Malaysian Armed Forces
BDS	Bachelor of Dental Surgery
BEGIN	<i>Latihan Memberus Gigi Berkesan</i>
BEMS	Biomedical Equipment Management Service
BPE	Basic Periodontal Examination
BPL	<i>Bahagian Pengurusan Latihan</i>
CBBP	<i>Cuti Belajar Bergaji Penuh</i>
COPPA	Code of Practice for Programme Accreditation
COPPA-PG Dental	Code of Practice for Programme Accreditation Postgraduate Dental Degree
COR	Certification of Registration
COVID-19	Coronavirus disease 2019
CPD	Continuing Professional Development
CPG	Clinical Practice Guidelines
CPSU	Clinical Performance Surveillance Unit
CPTPP	Comprehensive and Progressive Agreement for Trans-Pacific Partnership
CT	Credit Transfers
DCCU	Dental Chair Cum Unit
DDR	Design and Development Research
DDS	Doctor of Dental Surgery
DentSEdC	Dental Specialty Education Committee

DO	Dental Officer
DOHS	Domiciliary Oral Health Care Services
DOSM	Department of Statistics Malaysia
DPHS	Dental Public Health Specialist
DPHSU	Dental Public Health Specialist Unit
DPT	Dental Promotion Team
DSA	Dental Surgery Assistant
DSA	District Specific Approach
DTP	Diploma in Dental Therapy
EKSA	Conducive Public Sector Ecosystem
EMR	Electronic Medical Record
FA	Full Accreditation
FDM	Fuzzy Delphi Method
FMR	Fluoride mouth rinsing
FOD	Forensic Odontology
FT	Federal Territory
FTA	Free Trade Agreements
FV	Fluoride varnish
Gi-RET 2.0	<i>Gabungan Reten Perkhidmatan Kesihatan Pergigian</i>
GIS	Gingival Index for Schoolchildren
GLTC	Global Leadership Team Conference
HEP	Higher Education Provider
HKL	Kuala Lumpur Hospital
HLP	<i>Hadiah Latihan Persekutuan</i>
HSA	Hospital Specific Approach
HSR	Health System Research
HSSWG	Healthcare Services Sectoral Working Group
HTA	Tunku Azizah Hospital
HWP	Health White Paper
ICDAS	International Caries Detection and Assessment System
ICT	Information & Communication Technology
IDCMR	International Dental Collaboration of The Mekong River Region
IDT	Incremental Dental Treatment
iGG	<i>Ikon Gigi</i>
IHE	Institution of Higher Education
IHSR	Institute for Health Systems Research
IIOR	Index for Interceptive Orthodontics Referral
IIUM	International Islamic University Malaysia
IKN	National Cancer Institute
ILKKM	Ministry of Health Training Institute (Dental)
IMR	Institute for Medical Research
IMU	International Medical University
IPGK	<i>Institut Pendidikan Guru Kampus</i>
IPH	Institute for Public Health
IR	Incident Report
ISN	National Sports Institute
ISO	International Organization for Standardization
JKPF	<i>Jawatankuasa Penggunaan Fasiliti</i>

JP	Dental Therapist
JT	Dental Technologist
JTAC	Joint Technical Accreditation Committee
JTCEDSP	Joint Technical Committee for Evaluation of Dental Specialist Programmes
KEPP	<i>Klinik Pergigian Endodontik Primer</i>
KKM	<i>Kementerian Kesihatan Malaysia</i>
KL	Kuala Lumpur
KOA	<i>Kesihatan Oral dan Agama</i>
KOTAK	<i>Kesihatan Oral Tanpa Amalan Merokok</i>
KP	Klinik Pergigian
KPI	Key Performance Indicator
KPMP	<i>Klinik Pergigian Mesra Promosi</i>
LUC	Lincoln University College
MADPHS	Malaysian Association of Dental Public Health Specialists
MAHSA	Malaysian Allied Health Sciences Academy
MAMPU	Malaysian Administrative Modernisation and Management Planning Unit
MAOISCTE	Malaysian Association of Orthodontist International Scientific Conference and Trade Exhibition
MCHC	Mother and Child Health Clinic
MDA	Malaysian Dental Association
MDCI	Mobile Dental Clinic
MDL	Mobile Dental Laboratory
MDS	Multidisciplinary Dental Specialist
MDSA	Malaysian Dental Students' Association
MDTB	Malaysian Dental Therapists Board
MEET	Medical Equipment Enhancement Tenure
MER	Minimum Entry Requirement
MHPS	Malaysian Healthcare Practitioners Systems
MIDEC	Malaysian International Dental Exhibition and Conference
MIDS	Malaysia International Dental Show
MITI	Ministry of Investment, Trade, and Industry
MMI	MOH Modified ICDAS
MNP	Movement of Natural Persons
MoA	Memorandum of Agreement
MOE	Ministry of Education
MOH	Ministry of Health Malaysia
MPDPA	Malaysian Private Dental Practitioners Association
MPSG	Malaysian Patient Safety Goals
MQA	Malaysian Qualifications Agency
MRA	Mutual Recognition Agreement
MS-ISO	Malaysian Standard- International Organization for Standardization
MUCM	Manipal University College Melaka
MyHDW	Malaysian Health Data Warehouse
MYR	Malaysian Ringgit
NDO	New Dental Officer
NDOP	New Dental Officer Programme

NGO	Non-Governmental Organization
NHMS	National Health and Morbidity Survey
NIA	National Indicator Approach
NOHP	National Oral Health Policy
NOHRI	National Oral Health Research Initiative
NOHRP	National Oral Health Research Priorities
NOHSA	National Oral Health Survey of Adults
NTR	No Treatment Required
OCRCC	Oral Cancer Research and Coordinating Centre
OHE	Oral Health Education
OHP MOH	Oral Health Programme Ministry of Health Malaysia
OMFS	Oral and Maxillofacial Surgery
OPMD	Oral Potentially Malignant Disorders
OPOM	Oral Pathology and Oral Medicine
ORL	Otorhinolaryngology
ORTHO	Orthodontics
OSCC	One Stop Crisis Centre
OSH	Occupational Safety and Health
OTE	Oral Tissue Engineering
P5VS	Pain As 5 th Vital Sign
PDC	Private dental clinic
PDEN	Pediatric Dentistry
PDF	Private Dental Facility
PKK	<i>Pusat Pemulihan Dalam Komuniti</i>
PDRA	Professional Dental Regulatory Authority
PDSA	Plan-Do-Study-Act
PEPS1S	<i>Pemeriksaan Pergigian Sekurang-kurangnya Sekali Setahun</i>
PER	Periodontics
PHS	Private Hospital Services
PIC	Person in Charge
PIDC	Penang International Dental College
PKP KKM	<i>Program Kesihatan Pergigian Kementerian Kesihatan Malaysia</i>
PMPCS	Private Medical Practice Control Section
PPKK	Children's Dental Center
PPKPS	<i>Pemasyarakatan Perkhidmatan Klinik Pergigian Sekolah</i>
PPP	Public-Private Partnership
PPR	People's Housing Programme
PrIC	Preliminary Investigation Committee
QA	Quality Assurance
QAP	Quality Assurance Programme
QI	Quality Improvement
QII	Quality Improvement Initiative
QMS	Quantum Medical Solutions
RA	Research Agreement
RCA	Root Cause Analysis
RESD	Restorative Dentistry
RFP	Request for Proposal
RP2	Second Rolling Plan

RTC	Rural Transformation Centre
SCD	Special Care Dentistry
SEGI	SEGi University
SOP	Standard Operating Procedures
SQL	Structured Query Language
STEEPA	Safe, timely, effective, equitable, efficient, people-centred, and accessible
TBD	Toothbrushing Drill
TPC	Temporary Practising Certificates
TPC-OHCIS	Teleprimary Care-Oral Health Care Information System
TW1ST	Transformation with One Smile Together
UiTM	Universiti Teknologi MARA
UKM	National University of Malaysia
UM	Universiti Malaya
USIM	Universiti Sains Islam Malaysia
USM	Universiti Sains Malaysia
UTC	Urban Transformation Centre
VAE	Value at Entry
WEHD	World Environmental Health Day
WH	Wellness Hub
WHA	World Health Assembly
WHA 74.5	World Health Assembly resolution on oral health
WHO	World Health Organisation
WOHD	World Oral Health Day
WTP	Water Treatment Plant



**MINISTRY OF HEALTH MALAYSIA
ORAL HEALTH PROGRAMME**